



دائرة الثقافة والسياحة
DEPARTMENT OF CULTURE
AND TOURISM

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General Managers of Tourism & Hotel
Establishments

السادة/ مدراء المنشآت السياحية والفندقية المحترمين

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Subject: Reference standard for pest control services' scope and frequency

الموضوع: المرجع القياسي لتحديد نطاق وتكرارية خدمات مكافحة آفات الصحة العامة

Greetings,

تحية طيبة وبعد،

The Abu Dhabi Waste Management Center - Tadweer issues this circular to all sectors regarding the launch of a unified reference for public health pest control services in Abu Dhabi.

أصدر مركز أبوظبي لإدارة النفايات - تدوير تعميماً لجميع القطاعات يتمحور حول إطلاق مرجعاً موحداً لخدمات مكافحة آفات الصحة العامة في أبوظبي.

The center has launched the reference standard for pest control services' scope and frequency, which aims to raise the level of public health pest control services in all hotel and tourism establishments by defining the scope and frequency of service that ensures the provision of effective services that enhance public health and raise the quality of life in the Emirate of Abu Dhabi by effective control of vectors of diseases and pests.

يهدف المرجع القياسي لتحديد نطاق وتكرارية خدمات مكافحة آفات الصحة العامة إلى رفع مستوى خدمات مكافحة آفات الصحة العامة في جميع المنشآت الفندقية والسياحية عن طريق تحديد نطاق وتكرار الخدمة بما يضمن توفير خدمات فعالة من شأنها تعزيز الصحة العامة ورفع جودة الحياة في إمارة أبوظبي من خلال السيطرة الفعالة على نواقل الأمراض والآفات المزعجة.

Therefore, the Department of Culture and Tourism – Abu Dhabi directs all hotel and tourism establishments to adhere to the attached reference and to start implementing public health pest control services in all hotel and tourist establishments by contracting with service providers approved by Tadweer through the electronic pest control system.

لذا توجه دائرة الثقافة والسياحة – أبوظبي جميع المنشآت السياحية والفندقية بضرورة الالتزام بالمرجع المرفق والبدء بتطبيق خدمات مكافحة آفات الصحة العامة في جميع المنشآت الفندقية والسياحية وذلك بالتعاقد مع مزودي الخدمات المعتمدين لدى تدوير عبر نظام مكافحة الآفات الإلكتروني.

All hotel and tourism establishments in the Emirate of Abu Dhabi must abide by the above.

وعليه، يتعين عليكم الالتزام بما ورد أعلاه.



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For more information, please contact Abu Dhabi Waste Management Center- Tadweer via e-mail: info@tadweer.gov.ae للمزيد من المعلومات، يُرجى التواصل مع مركز أبوظبي لإدارة النفايات - تدوير عبر البريد الإلكتروني: info@tadweer.gov.ae

Kind Regards.

Department of Culture and Tourism - Abu Dhabi

وتفضلوا بقبول فائق الاحترام والتقدير.

دائرة الثقافة والسياحة - أبوظبي



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Tadweer Reference Standard for Pest Control Services Scope & Frequency



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Issue No.	Issue Date	Details of Amendments
01	15/02/2021	First Issue of the Reference Standard

1. Introduction

Public health pest control is vital service that is required to maintain the public health and life quality of the society which it plays an important role in managing disease vectors and discomfort agents. Public health pests include any animal or organism that can cause considerable damage to human and its environment. Real or perceived damage can be medical, psychological, economic, or aesthetic.

Public health pest populations are dynamic and have continuous invading behavior by which the pests keep moving and translocating in wide areas considering no limits or borders for their existence and survival. For this reason, Public health pest control needs to be carried out in a comprehensive and integrated manner that requires the collaboration of all stakeholders of the society.

The role of Tadweer is to provide public health pests control services at the public scope, through which it provides the pest control services upon the public areas such as streets, governmental buildings and facilities, parks, open areas, etc.

For serving its purpose in maintaining public health pests' populations under the action threshold, Tadweer requires the collaboration of other parties in the community. The commercial and private entities that are out of Tadweer scope and play a significant role as primary source of infestation that enables pests' populations to re-infest the public areas and rebuilt their populations, hence, prolong their existence.

Highly Important Entities are one of the key sectors in UAE. Having poor public health services in these entities can badly affect the public health by providing hidden and sufficient harborage and breeding sites for public health pests resulting in significant re-infestation that would threaten public health for Abu Dhabi society.

Tadweer has developed this standard in response to the increasing importance and awareness of

public health pest control. In addition, Tadweer has also built this standard to act in line with Department of Municipalities and Transportation (DMT) circular No. 2, 2020 regarding waste management and public health pest control.

2. Objectives

Tadweer has developed this reference standard to ensure providing effective public health pest control services for Highly Important Entities by setting the required standard service scope and frequency to:

1. Set the proper service frequency that can disrupt pests' populations based on the nature of public health pests' life cycle and population dynamic.
2. Set the proper service scope that covers all potential pests' infestations.
3. Define the role of Highly Important Entities and service providers in having good public health pest control programs.
4. Define special requirements needed for facilities.
5. Provide guidance for highly important facilities to build their pest control service specifications that can be used for service agreements.

3. Scope

3.1. Scope

The requirements of this standard are applicable for all Highly Important Entities and public health service providers in Abu Dhabi. Highly important entities are listed in table 1. This standard was built to set and define the suitable and required service scope, frequency, and specifications of public health pests control programs, however, it does not include pest control methodologies, pest control methodologies and standards are mentioned in detail in Tadweer technical guidelines for integrated pest management.

Highly important facilities types and description

Table 1

Highly important entities	Description
Waste treatment facilities (Waste collection points)	Waste treatment facilities, waste transfer stations, dumpsites, incinerations, landfills or any area or premise where waste are received, treated, dispatched, and/or processed.
Hospitals/ medical centers	The premises where medical services are provided and where patients and customers are hospitalized including (but not limited to); hospitals, medical centers, clinics, medical laboratories, and any other premises where medical care services are provided.
School, universities, educational centers	Private schools, nurseries, universities, education centers, training centers or any premise used to educate and receive pupils, students, learners.

Highly important entities	Description
Hotel	Hotels, resorts, hotel apartments and any other premises where hospitality services are provided for tourists and visitors
Real estate developers	Villa complexes, compounds, residential and commercial buildings, and towers
Construction sites	Construction and demolition projects
Leisure, sport, and entertainment facilities	Including (but not limited to) Golf playgrounds, football stadium, gyms, private parks, amusement parks, spa and relaxation centers, arenas, etc.
Food processing facilities	Including (but not limited to) bakeries, mills, food processing and canning factories, dairy factories, ...etc.
Labor accommodations	Labor camps, labor compounds and any other building where labors live, rest, stay and sleep.
Fruits and vegetables, meat, fish, and fresh food markets	Any area, place, group of shops where fresh fruits, vegetables, fish, meat are offered and sold to the public
Plant nurseries	Commercial entities where plants are imported, traded, planted, propagated, and produced.
Animal and bird markets and commercial barns and farms (sheep, goat, cows, camels, horses, poultries, rabbits, pets)	Where live livestock and poultries are bred, produced, and traded such as goat, camel, cattle markets, cattle farms, poultry farms
Slaughterhouses	Public or private slaughterhouses or any other premises or areas where livestock and poultries are slaughtered



Highly important entities	Description
Malls	Malls and shopping centers
Airports	Airports and their facilities
Grocery / hypermarkets	Groceries, supermarkets, hypermarkets, retail stores
Ports	Sea ports and their facilities
Industrial workshops	Car maintenance and repairing, carpenter, steel and wilding, ...etc.

3.2. Highly important entities selection process

Highly important entities were selected based on key criteria as listed below.

1. Potential risk for disease transmission
2. Potential risk for food contamination
3. Number of occupants and visitors or the number of people exposed to risk.
4. The availability of conducive factors for pests' infestation
5. The risk of introducing imported diseases, disease vectors and other pests.
6. The potential risk on general image of Abu Dhabi

Highly important entities selection criteria rating

Table 2

Highly important entities	Disease transmission	Food contamination	Number of occupants and visitors	The availability of conducive factors for pests' infestation	Introducing imported diseases, disease vectors and other pests	Risk on general image of Abu Dhabi
Waste treatment facilities (Waste collection points)	High	Low	High	High	Low	High
Hospitals/ medical centers	High	High	Medium	Medium	High	High


Highly important entities	Disease transmission	Food contamination	Number of occupants and visitors	The availability of conducive factors for pests' infestation	Introducing imported diseases, disease vectors and other pests	Risk on general image of Abu Dhabi
School, universities, educational centers	Medium	Medium	High	Medium	Low	High
Hotel	High	High	High	Medium	High	High
Real estate developers	High	Low	High	High	Low	High
Construction sites	High	Low	High	High	Low	High
Leisure, sport, and entertainment facilities	Medium	High	High	Low	High	High
Food processing facilities	High	Low	Low	High	Low	High
Labor accommodations	High	High	High	Medium	High	High

Highly important entities	Disease transmission	Food contamination	Number of occupants and visitors	The availability of conducive factors for pests' infestation	Introducing imported diseases, disease vectors and other pests	Risk on general image of Abu Dhabi
Fruits and vegetables, meat, fish, and fresh food markets	Medium	High	High	High	Low	High
Plant nurseries	High	Low	High	High	High	High
Animal and bird markets and commercial barns and farms (sheep, goat, cows, camels, horses, poultries, rabbits, pets)	High	Low	High	High	High	High
Slaughterhouses	High	High	High	High	High	High
Malls	Medium	High	High	Low	High	High
Airports	High	High	High	Medium	High	High

Highly important entities	Disease transmission	Food contamination	Number of occupants and visitors	The availability of conducive factors for pests' infestation	Introducing imported diseases, disease vectors and other pests	Risk on general image of Abu Dhabi
Grocery / hypermarkets	Low	High	High	High	Low	High
Ports	High	Low	High	Medium	High	High
Industrial workshops	High	Low	High	High	High	High

4. Abbreviations and definitions

Abbreviation	Description
UAE	United Arab Emirates
DMT	Department of Municipalities and Transportation – Abu Dhabi Government
ADQCC	Abu Dhabi Quality and Conformity Council
Tadweer	Abu Dhabi Waste Management Center – Tadweer
TG	Technical Guideline
Definition	Description
Scheduled services	Planned services provided in a regular basis for certain areas
Unscheduled services	The services provided in irregular basis upon client request or field observations
Public health pests	Any animal or organism that has significant public health importance and can affect human health by disease transmission, asthma, allergies, nuisance, and discomfort.
Service frequency	The interval of the service application or how often the service shall be applied and repeated.
Follow up treatment	The treatment that is carried out successively to check out the status of the pests and measure the results of previously carried out treatments



Definition	Description
Baseline survey	The initial survey that is carried out to newly served areas to investigate the pests' population status and infestation level.
Highly important entities (HIE)	Entities where public health pest control services are highly important due its ability to affect large portion of Abu Dhabi public.

5. Roles and responsibilities

Stakeholders roles and responsibilities

Table 3

Stakeholder	Roles and responsibilities
Service providers	<ul style="list-style-type: none"> • To provide pest control service as per Tadweer’s technical guidelines • Shall use Pest control E-contract for contracting highly important entities • To run pest control services operations in all interior and exterior areas within all the client area (in all the client geographical borders) such as - but not limited to: <ul style="list-style-type: none"> - Buildings roofs, air wells and surroundings - Yards - Landscapes - Storm water lines - Sewer system and septic tanks - Parking areas - Wastes drums and collection points. - Pests breeding, resting & feeding areas in open spaces in general. - Stations - Internal areas and halls - Accommodations - Dining areas - Kitchens - Offices - Clinics - Toilets - Stores & warehouses - Workshops

Stakeholder	Roles and responsibilities
Service providers	<ul style="list-style-type: none"> - Services facilities (like electric rooms, pumps rooms, etc. • To provide an initial survey report (base line survey), that describes the current situation for infestation levels of targeted pests, official identification for the observed pests (from approved lab or to refer to Tadweer in this regard) in each targeted area, in addition to identify breeding habitat for the pest (by map), the reasons / conditions behind pests' presence in the sites and what is the required corrective action. • Service provider shall target pests in all breeding sites in addition to the adult stages sites (comprehensive larvicide and adulticide control services) • To maintain all the time client safety and control team safety as well, as per the best recommended practices in pest control field and the local regulations of UAE • To provide pest control record (logbook) to the client in the site (to be available with contract management and accessible for Tadweer inspectors), containing related pest control services data such as (but not limited to): <ul style="list-style-type: none"> o Visits schedule and frequency in general o Report for each visit o Materials safety data sheets o Traps and bait station maps o Summary for used equipment and materials in the site (arranged in a table forms) o Duration (time in – time out), o Taken procedures taken. o Pest infestation levels, o Used pesticides (type, mixing ratio and quantity), o Periodic pest survey records o Preventive recommendations for the client (photographed if possible) o Names and positions of control team with their signatures and contacting numbers. • All previous data should be summarized from Services provider in a form of daily reports (visits reports) in the logbook, in addition to monthly reports and any further requested data from

Stakeholder	Roles and responsibilities
Service providers	<p>the client, and these reports should be provided to Tadweer as well.</p> <ul style="list-style-type: none"> • To provide qualified staff as per Tadweer qualification requirements, to ensure staff professionalism and the quality of provided service as well. • To Provide sufficient knowledge for client on how to properly implement cultural and physical practices that will reduce or prevent pests' population. • To use only registered and approved pesticides, materials, tools, & equipment • To comply with Tadweer instructions and guidelines, in addition to all local and federal laws regulations • Services provider should provide organizational structure chart for control teams showing responsibilities, jobs description in addition to all contacting details (such as calling numbers, email addresses, etc....) to insure proper chain of command, smooth flow of operational actions and clear communication channel between the client and the services provider. • Service provider should provide operational plan showing teams distribution and visits dates/ timing for each location (plan should be approved from the client) • Services provider team should always wear company uniform with clear logo and available company ID's. • Service providers shall provide the contact details of control team to the client, contact details shall include name, position, mobile phone, email address for all control team members. <p>Provide sufficient knowledge for client on how to properly implement cultural, habitat modification, and physical practices that will reduce or prevent pests' population, this knowledge must be documented in the form of formal recommendations or required actions and to be reported to the clients.</p>
Highly Important Entities (HIE's)	<ul style="list-style-type: none"> • Highly Important Entities shall contract only registered and approved companies permitted from Tadweer for practicing public health pest control and who have valid permit issued by Tadweer. • Use pest control E-contract system for the contracting process. <p>Shall build public health pest control service contract based on the required service scope,</p>

Stakeholder	Roles and responsibilities
Highly Important Entities (HIE's)	<p>service frequency, pest control approach and monitoring system as mentioned in this guide.</p> <ul style="list-style-type: none"> • It is recommended to have a look and be familiar with Tadweer Technical Guidelines for pest management. • Shall provide any data required by Tadweer about public health pest's activities and operations in their premise(s). • Shall follow the service provider recommendations that will help reducing or preventing pests' population, but these recommendations must only be limited on cultural and physical practices. • Client must support the control teams by facilitating their jobs in the workplace through providing easy access and follow the service providers' recommendations that are relevant to pest control operations.
Tadweer	<ul style="list-style-type: none"> • Act as regulatory third party who shall provide guidance and regulations

6. Service Requirements and Specifications

6.1. Standard service scope

The standard service scope shall be built based on two main domains, the pests range and area scope where the treatment shall take place.

6.1.1. Targeted pest scope

Targeted pest scope demonstrates the pests range that shall be covered by provided pest control services. The pests range for Highly Important Entities shall include (but not limited to):

Most common public health pests and their importance

Table 4

Pests	Description	Medical importance	Nuisance	Structural damage	Occurrence
1. Mosquitoes	All mosquitoes' species in UAE	High	High	N/A	Most often
2. Flies	Housefly, stable fly, blow fly, flesh fly, drain fly, fruit fly, gnat fly, humped back fly.	High	High	N/A	Most often

Pests	Description	Medical importance	Nuisance	Structural damage	Occurrence
3. Cockroaches	German cockroach, American cockroach, Asian cockroach, Surinam cockroach, Turkestan cockroach, Brown banded cockroach	Low	High	N/A	Most often
4. Rodent pests	Norway rat, roof rat, house mouse	High	High	High	Most often
5. Bed bug	Bed bug	Low	High	N/A	Often
6. Ant	Samsun ant, Acrobat ant, Carpenter ant, Pavement ant, Pharaoh ant, Red Imported Fire ant, Ghost ant	Medium	High	Low	Often
7. Dangerous pests	Scorpions, spiders, snakes, bees and wasps, centipedes	High	High	Low	Occasionally
8. Tick and fleas	Cat flea, oriental flea, camel tick	High	High	N/A	Occasionally
9. Stray animals	Feral cats and dogs	High	High	Low	Occasionally

For more information about the importance of public health pests, please refer to Tadweer TG's. In case of any other introduced vector pest with a medical importance, it will be included in the scheduled program in the internal and external areas as per Tadweer technical guidelines

6.1.2. Area scope

Public health pest control services shall cover all areas where pests can inhabit and pose risks to human beings, animals, and the environment. The range that shall be covered for Highly Important Entities domain includes (but not limited to):

Indoor Areas

Kitchens, internal drain and sewage system, bedrooms, bathrooms, basements, utility rooms, electrical rooms, ornamental plant pots, storage rooms, dining rooms, buildings roofs. wooden structures, living rooms, dressing, rooms, furniture, and any other rooms or objects inside the building

Sewage manholes, storm water manholes, yards, standing water ponds, irrigation water tanks, garbage containers, parks, trees, plantation, animal shelters, animal manure fertilizers, swimming pools, utilities boxes and rooms, and any other areas or facilities within the perimeter of the real estate.

Outdoor Areas



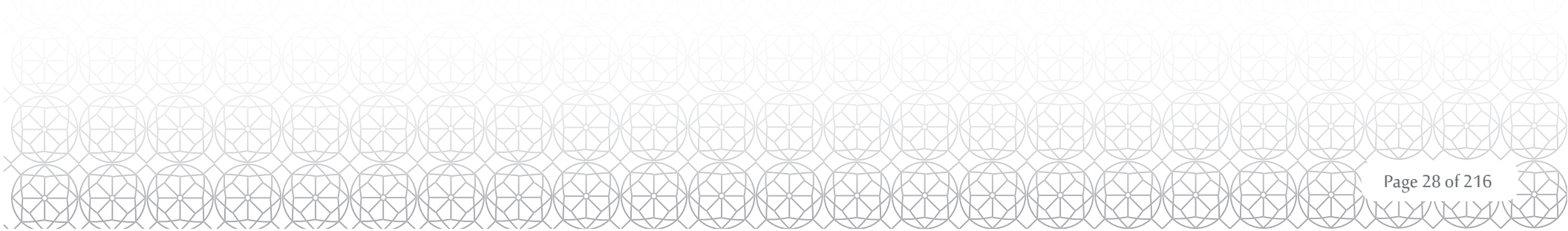
6.2. Standard service frequency

Service frequency is the interval period for repeating the services or how often the service shall be done. Service frequency varies among different types of pests, infestation level, and the place or work areas conditions.

Service frequency can be classified into two main group the scheduled and unscheduled services.

- Scheduled services program: services that being done based on fixed and preprogramed frequency, and that shall be carried out to cover all vector pests & stray animals in all exterior areas. Mosquito and rodents only in the interior areas
- Unscheduled services: on call or emergency response to the residents whenever needed and as per their request in addition to any required follow up visits as per pests' biology and behavior.

Service frequency highly depends on the occurrence of the pests in certain places and the probability of re-occurrence of the pests and their infestation level, thus, the pests included in the unscheduled services can sometimes be served in regular basis or in scheduled services based on their population level or if there is high probability for their re-occurrence.



6.2.1. Scheduled service frequency

Service frequency can also vary among the regular or scheduled services based on the infestation level. Therefore, in this guideline we have set the service frequency in three main categories as listed below.

Minimum service frequency

The longest allowed period or interval for repeating the service in the same work area which is mostly done in case of low or zero infestation level.

The optimum allowed period or interval for repeating the services in the same place and it is usually the most recommended frequency in case of all infestation level except for high infestation.

Optimum service frequency

Maximum service frequency

The shortest period or interval for repeating the service in the same work area which most recommended in case of high infestation

6.2.2. Unscheduled service frequency

Unscheduled services are provided in irregular basis depends on pests' occurrence and customer demands for the pests that occur occasionally. The initiation of unscheduled services mostly done by the client, however, once the service is carried out there shall be certain follow up treatments to ensure that pest problem is solved. Those follow ups shall be carried out in regular basis until the pest problem is vanished.

6.3. Pest control service

In line with context of this standard, pest control service is defined as any service incurs any treatment, practice, or/and actions aim to reduce, eliminate, or contain pests' populations. That may include (but not limited to):

- 1- Inspection and survey. Searching the place for identifying pests type, occurrence, locations, population level, distribution, and conducive factors to infestation
- 2- Monitoring. Continuous follow up for pest population status in certain places that shall take place after any treatment, and as preventive procedure to detect the presence of the pest in that place.
- 3- Cultural practices and client education such as explaining or telling the customer about pest life cycle and conducive factors to infestation, so the customer may involve in pest prevention and exclusion.
- 4- Using physical or mechanical control methods such as using vacuuming or heat treatments
- 5- Using biological control methods such as using larvivorous fish for controlling mosquitoes' larvae.
- 6- Using chemical control methods such using pesticides spray or using poison baits.

Note: Providing pest control services shall always include inspection and survey. Other services can be carried out separately, all together or any combination that can solve the pest problem depending on the situation. Therefore, it is not necessary to include chemical treatments or all services in every service, the service may sometimes be limited on conducting inspection and monitoring in case of low or zero infestation.

Note: The methods and all technical specifications on how to carry each service for each pest is illustrated in Tadweer TG's for integrated pest management.

6.4. Pest control service scope and specifications for highly important facilities

Standard service scope and specifications for highly important entities are listed in next chapters. Each chapter covers the service scope and specifications for each entity.

Chapter 1	Waste treatment facilities (Waste collection points)
Chapter 2	School, universities, educational centers
Chapter 3	Real estate developers
Chapter 4	Construction sites
Chapter 5	Airports
Chapter 6	Ports

Chapter 7	Plant nurseries
Chapter 8	Labor accommodations
Chapter 9	Food processing facilities
Chapter 10	Grocery / hypermarkets
Chapter 11	Fruits and vegetables, meat, fish, and fresh food markets
Chapter 12	Hospitals/ medical centers
Chapter 13	Animal and bird markets and commercial barns and farms
Chapter 14	Slaughterhouses
Chapter 15	Malls

Chapter 16	Leisure, sport, and entertainment facilities
Chapter 17	Hotels
Chapter 18	Industrial workshops



Pest Control Scope and Specifications

Waste Treatment Facilities
(Waste Collection Points)

6.5. Chapter 1: Waste Treatment Facilities



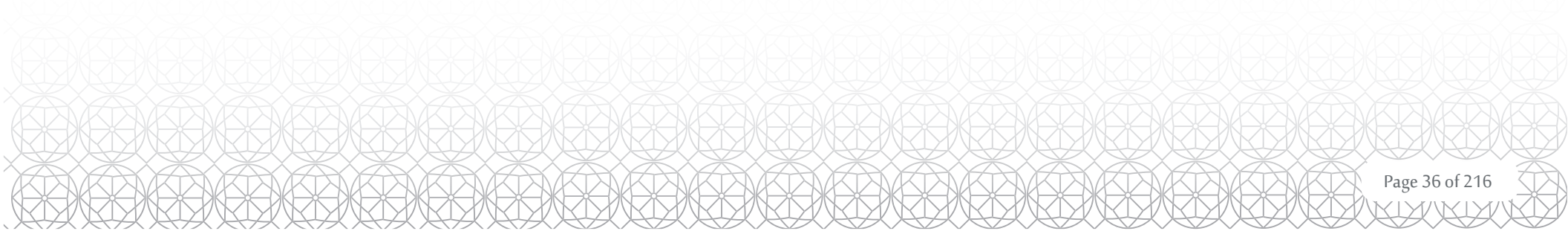
6.5.1. Introduction

Waste treatment facilities or waste collection points include any area, premise, or facility where solid waste, garbage, food waste, organic waste, green waste, municipal waste, sewage, animal carcasses, sludge, or animal manure are collected, stored, treated, dumped, processed, or composted. Waste treatment facilities can include (but not limited to)

- 1- Landfills and dumping sites.
- 2- Waste transfer stations
- 3- Sewage treatment plants
- 4- Compost plants
- 5- Waste segregation and sorting plants.
- 6- Waste storage plants
- 7- Waste collection points

6.5.2. Pests scope

The most common pests in waste treatment facilities are listed under scheduled services, other pests that expected to occur occasionally are listed under unscheduled services.



Pests scope for scheduled and unscheduled services

Table 5

Scheduled services (most common pests)	Unscheduled services (occasional pests)
Rodent pests	Cockroaches
Flies	Bed bug
Mosquitoes	Ant
	Tick and fleas
	Stray animals
	Dangerous pests
In case if any of occasional pests occurred frequently, then it shall be moved under the scheduled services	

6.5.3. Area scope

Area scope

Table 6

Indoor areas (not limited to)	Outdoor area (not limited to)
Offices	Waste storage yards
Accommodations	Waste receiving yards
Inside closed treatment plants	Waste dumping sites
Pantries and kitchens	Area near and around external perimeter
Toilets	Open waste treatment plants
	Electrical and utilities rooms
	Drainage system manholes
	Storm waterline (storm water manholes)
	Garbage bins

6.5.4. Service frequency for scheduled services

Service frequency for scheduled services

Table 7

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Flies	Outdoor / indoor	Weekly	Weekly	Daily	<p>1- In case of high infestation flies control shall be carried out on daily basis until become at low level.</p> <p>2- At low level, flies control can be carried out on weekly basis.</p> <p>3- In case of high infestation space treatment is required to be carried out in regular daily basis until lowering the infestation level to low levels.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated flies' management.</p>
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- In case of high infestation rodent control shall be carried out on weekly basis until become at low</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>level.</p> <p>2- At low level, rodent control can be carried out on monthly basis.</p> <p>3- Rodenticides shall be used only for outdoor treatment and indoor treatments shall be limited on using non-chemical methods.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated rodent pests' management</p>
Mosquitoes	Outdoor / indoor	Weekly	Weekly	Daily	<p>1- In case of high infestation mosquitoes control shall be carried out on daily basis until become at low level.</p> <p>2- At low level, mosquitoes control can be carried out on weekly basis.</p> <p>3- Mosquitoes larvae control shall cover all places where standing water can be found such as storm water man-</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Mosquitoes	Outdoor / indoor	Weekly	Weekly	Daily	<p>holes, water ponds, water tanks, septic tanks...etc.</p> <p>4- In case when positive breeding sites are detected, those positive sites shall be treated and then followed up on daily basis until eradicating all active immature mosquitoes.</p> <p>5- In case of high infestation space treatment for adult mosquitoes shall be applied in regular basis until reach low level.</p> <p>For more information about infestation level measurements and indices please refer to Tadweer TG for integrated mosquitoes' management</p>
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	American cockroach control shall mainly focus on sewage system lines or manholes.

Service provider shall survey and inspect all indoor and outdoor areas in each visit searching for any infestation signs for all pests

6.5.5. Service frequency for unscheduled services

Service frequency for unscheduled services (on demand)

Table 8

Pest	Area	Response time	Follow up frequency	Remarks
Flies, rodent, mosquitoes, American cockroach	Outdoor / indoor	24 hours	Based on infestation level. Please refer to Tadweer TG's	Please refer to Tadweer TG's for more information about follow up requirements
Cockroaches, ant, bed bug, tick, and fleas	Outdoor / indoor	24 hours	Weekly	Once complaints are received, service provider shall respond immediately and keep follow up on weekly basis until the infestation is eradicated
Dangerous pests	Outdoor / indoor	2 hours	Daily	Dangerous pest shall be responded within two hours and the follow up shall be carried out immediately. Service control team shall ensure occupants safety before leaving the workplace
Stray animal	Outdoor	24 hours	Daily	Stray animal impounding depends on trapping the feral animals; thus, its required time is not determined. However, service provide shall respond by

Pest	Area	Response time	Follow up frequency	Remarks
Stray animal	Outdoor	24 hours	Daily	installing the required traps within 24 hours. Stray animal impounding shall be done by service provider who has Tadweer permit for stray animal impounding. otherwise, the service shall be outsourced.

This standard aims to explain the required service frequency and scope only. Management methods, standards, instructions, tools and equipment specifications, safety instructions are mentioned in detail in Tadweer TG's for integrated management. When applying any treatment, service providers shall follow Tadweer TG's including

- 1 - Integrated flies management
- 2 - Integrated mosquitoes management
- 3 - Integrated cockroaches management
- 4 - Integrated rodent pests management.
- 5 - Integrated ant management
- 6 - Integrated bed bug management
- 7 - Integrated termite management
- 8 - Integrated tick and fleas management
- 9 - Dangerous pest management
- 10- Responsible use of pesticides



Pest Control Scope and Specifications

Schools, Universities, Educational Centers

6.6. Chapter 2: Schools, Universities, Educational Centers

6.6.1. Introduction

Schools, universities, and education centers include any licensed entities that host pupils and student from different ages that include (but not limited to)

- 1- Kindergartens and nurseries
- 2- Private elementary, secondary, and high schools
- 3- Universities and colleges
- 4- Learning centers
- 5- Student summer schools

6.6.2. Pests scope

The most common pests in schools, universities and education centers are listed under scheduled services, other pests that expected to occur occasionally are listed under unscheduled services.

Pests scope for scheduled and unscheduled services

Table 9

Scheduled services (most common pests)	Unscheduled services (occasional pests)
Rodent pests	Cockroaches
Flies	Bed bug
Mosquitoes	Ant
American cockroach	Tick and fleas
	Stray animals
	Dangerous pests
	Termite (post-construction)
In case if any of occasional pests occurred frequently, then it shall be moved under the scheduled services	

6.6.3. Area scope

Area scope

Table 10

Indoor areas (not limited to)	Outdoor area (not limited to)
Offices	Outdoor playgrounds
Classrooms	Yards and parks
Reading rooms	Outdoor swimming pools
Pantries and kitchens	Garbage bins
Toilets	Landscapes
Indoor playgrounds	Electrical and utilities rooms
Cafeterias and restaurants	Drainage system manholes
Gyms	Storm waterline (storm water manholes)
Indoor swimming pools	Fountains
Storage rooms	Building's roof

6.6.4. Service frequency for scheduled services

Service frequency for scheduled services

Table 11

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Flies	Outdoor / indoor	14 days	Weekly	Daily	<ol style="list-style-type: none"> 1- In case of high infestation flies control shall be carried out on daily basis until become at low level. 2- At low level, flies control can be carried out on weekly basis. 3- In case of high infestation space treatment is required to be carried out in regular daily basis until lowering the infestation level to low levels. <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated flies' management.</p>
Rodent pests	Outdoor / indoor	14 days	Weekly	Weekly	<ol style="list-style-type: none"> 1- In case of high infestation rodent control shall be carried out on weekly basis until become at low

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Rodent pests	Outdoor / indoor	14 days	Weekly	Weekly	<p>level.</p> <p>2- At low level, rodent control can be carried out on monthly basis.</p> <p>3- Rodenticides shall be used only for outdoor treatment and indoor treatments shall be limited on using non-chemical methods.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated rodent pests' management</p>
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation mosquitoes control shall be carried out on daily basis until become at low level.</p> <p>2- At low level, mosquitoes control can be carried out on weekly basis.</p> <p>3- Mosquitoes larvae control shall cover all places where standing water can be found such as storm water manholes, water</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>ponds, water tanks, septic tanks... etc.</p> <p>4- In case when positive breeding sites are detected, those positive sites shall be treated and then followed up on daily basis until eradicating all active immature mosquitoes.</p> <p>5- In case of high infestation space treatment for adult mosquitoes shall be applied in regular basis until reach low level.</p> <p>For more information about infestation level measurements and indices please refer to Tadweer TG for integrated mosquitoes' management</p>
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	American cockroach control shall mainly focus on sewage system lines or manholes.

Service provider shall survey and inspect all indoor and outdoor areas in each visit searching for any infestation signs for all pests

6.6.5. Service frequency for unscheduled services

Service frequency for unscheduled services (on demand)

Table 12


Pest	Area	Response time	Follow up frequency	Remarks
Flies, rodent, mosquitoes, American cockroach	Outdoor / indoor	24 hours	Based on infestation level. Please refer to Tadweer TG's	Please refer to Tadweer TG's for more information about follow up requirements
Cockroaches, ant, bed bug, tick, and fleas	Outdoor / indoor	24 hours	Weekly	Once complaints are received, service provider shall respond immediately and keep follow up on weekly basis until the infestation is eradicated
Dangerous pests	Outdoor / indoor	2 hours	Daily	Dangerous pest shall be responded within two hours and the follow up shall be carried out immediately. Service control team shall ensure occupants safety before leaving the workplace
Stray animal	Outdoor	24 hours	Daily	Stray animal impounding depends on trapping the feral animals; thus, its required time is not determined. However, service provide shall respond by

Pest	Area	Response time	Follow up frequency	Remarks
Stray animal	Outdoor	24 hours	Daily	installing the required traps within 24 hours. Stray animal impounding shall be done by service provider who has Tadweer permit for stray animal impounding. otherwise, the service shall be outsourced.

6.6.6. Special requirements

6.6.6.1. Maintain pupils and student's safety:

- 1- No chemical treatment shall be carried out in the presence of students and all chemical treatments shall be carried out when the students leave the school or in holydays.
- 2- In case of dangerous pests. Dangerous pest shall be eliminated immediately, however, the area of treatment shall be evacuated completely in at 50 m diameter from workplace.
- 3- Do not carry out any treatment until having official permission form entity management. Entity management grant permissions only when they are fully aware about the treatment and associated risks.
- 4- Never to spray residual treatment in furniture used in classrooms and cafeteria.
- 5- All poison baits used for rodents, flies, ant, cockroaches shall be used inside bait stations.
- 6- Strictly follow the safety instructions of Tadweer TG's



This standard aims to explain the required service frequency and scope only. Management methods, standards, instructions, tools and equipment specifications, safety instructions are mentioned in detail in Tadweer TG's for integrated management. When applying any treatment, service providers shall follow Tadweer TG's including

- 1 - Integrated flies management
- 2 - Integrated mosquitoes management
- 3 - Integrated cockroaches management
- 4 - Integrated rodent pests management.
- 5 - Integrated ant management
- 6 - Integrated bed bug management
- 7 - Integrated termite management
- 8 - Integrated tick and fleas management
- 9 - Dangerous pest management
- 10- Responsible use of pesticides



Pest Control Scope and Specifications

Real Estate Developers

6.7. Chapter 3: Real Estate Developers



6.7.1. Introduction

Real estate developers are one of the key sectors in UAE. Having poor public health services in real estates can badly affect the public health by providing hidden and sufficient harborage and breeding sites for public health pests resulting in significant re-infestation that would threaten public health for the real estate occupants and the society as well.

In the guideline context, real estate developers include:

- 1- The companies who are responsible for managing completed real estates.
- 2- The main and subcontractor who engaged to manage real estates by landlords, or other real estate developers.
- 3- Main and subcontractors who are responsible for managing construction or demolition sites.

Real estate Developers premises may include (but not limited to):

- 1- Villas complexes
- 2- Residential buildings and towers
- 3- Commercial offices complex
- 4- Any real estate managed by real estate developers.

6.7.2. Pests scope

The most common pests for real estate developers are listed under scheduled services, other pests that expected to occur occasionally are listed under unscheduled services.

Pests scope for scheduled and unscheduled services

Table 13

Scheduled services (most common pests)	Unscheduled services (occasional pests)
Rodent pests	Cockroaches
Flies	Bed bug
Mosquitoes	Ant
American cockroach	Tick and fleas
	Stray animals
	Dangerous pests
In case if any of occasional pests occurred frequently, then it shall be moved under the scheduled services	

6.7.3. Area scope

Area scope

Table 14

Indoor areas (not limited to)	Outdoor area (not limited to)
Offices	Outdoor playgrounds
Villas	Yards and parks
Apartments	Outdoor swimming pools
Toilets	Garbage bins
Indoor playgrounds	Landscapes
Gyms	Electrical and utilities rooms
Indoor swimming pools	Drainage system manholes
Storage rooms	Storm waterline (storm water manholes)
	Fountains

Indoor areas (not limited to)

Outdoor area (not limited to)

Building's roof

Construction sites*

Pest control service scope and specifications of construction and demolition sites is displayed in detail in next chapter (chapter 4)

6.7.4. Service frequency for scheduled services

Service frequency for scheduled services

Table 15

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Flies	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation flies control shall be carried out on daily basis until become at low level.</p> <p>2- Garbage bins shall treat in regular weekly basis.</p> <p>3- At low level, flies control can be carried out on weekly basis.</p> <p>4- In case of high infestation space treatment is required to be carried out in regular daily basis until lowering the infestation level to low levels.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated flies' management.</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1-In case of high infestation rodent control shall be carried out on weekly basis until become at low level.</p> <p>2-At low level, rodent control can be carried out on monthly basis.</p> <p>3-Rodenticides shall be used only for outdoor treatment and indoor treatments shall be limited on using non-chemical methods.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated rodent pests' management</p>
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation mosquitoes control shall be carried out on daily basis until become at low level.</p> <p>2- In case of having high infestation, regular space adult treatment is required.</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>3- At low level, mosquitoes control can be carried out on weekly basis.</p> <p>4- Mosquitoes larvae control shall cover all places where standing water can be found such as storm water manholes, water ponds, water tanks, septic tanks...etc.</p> <p>5- In case when positive breeding sites are detected, those positive sites shall be treated and then followed up on daily basis until eradicating all active immature mosquitoes.</p> <p>6- In case of high infestation space treatment for mosquitoes' adult is required to be carried out in regular daily basis until lowering the infestation level to low levels.</p> <p>For more information about infestation level measurements and indices please refer to Tadweer TG for integrated mosquito's management</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	American cockroach control shall mainly focus on sewage system lines or manholes.

Service provider shall survey and inspect all indoor and outdoor areas in each visit searching for any infestation signs for all pests

6.7.5. Service frequency for unscheduled services

Service frequency for unscheduled services (on demand)

Table 16

Pest	Area	Response time	Follow up frequency	Remarks
Flies, rodent, mosquitoes, American cockroach	Outdoor / indoor	24 hours	Daily until the problem solved	Please refer to Tadweer TG's
Cockroaches, ant, bed bug, tick, and fleas	Outdoor / indoor	24 hours	Weekly	Please refer to Tadweer TG's
Dangerous pests	Outdoor / indoor	2 hours	Daily	Daily
Stray animal	Outdoor	24 hours	Daily	Stray animals impounding depends on trapping the feral animals; thus, its required time is not determined. However, service provide shall respond by installing the required traps within 24 hours. Stray animal impounding shall be done by service provider who has Tadweer permit for stray animal impounding.

Pest	Area	Response time	Follow up frequency	Remarks
Stray animal	Outdoor	24 hours	Daily	otherwise, the service shall be outsourced.

This standard aims to explain the required service frequency and scope only. Management methods, standards, instructions, tools and equipment specifications, safety instructions are mentioned in detail in Tadweer TG's for integrated management. When applying any treatment, service providers shall follow Tadweer TG's including

- 1 - Integrated flies management
- 2 - Integrated mosquitoes management
- 3 - Integrated cockroaches management
- 4 - Integrated rodent pests management.
- 5 - Integrated ant management
- 6 - Integrated bed bug management
- 7 - Integrated termite management
- 8 - Integrated tick and fleas management
- 9 - Dangerous pest management
- 10- Responsible use of pesticides



Pest Control Scope and Specifications

Construction Sites

6.8. Chapter 4: Construction Sites

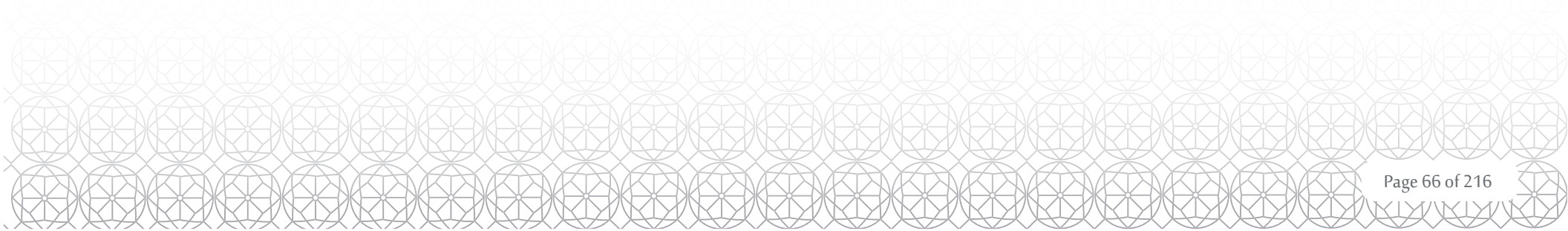


6.8 1. Introduction

Construction and demolition sites play an important role in public health pest control due to the redundancy of factors conducive to infestation and low sanitary conditions, thus construction sites usually pose high risk to workers and surrounding public by providing active source of infestation, thus it requires special attention and providing effective public health pest control services.

6.8.2. Pests scope

The most common pests in construction sites are listed under scheduled services, other pests that expected to occur occasionally are listed under unscheduled services.



Pests scope for scheduled and unscheduled services

Table 17

Scheduled services (most common pests)	Unscheduled services (occasional pests)
Rodent pests	Cockroaches
Flies	Bed bug
Mosquitoes	Ant
American cockroach	Tick and fleas
	Stray animals
	Dangerous pests
In case if any of occasional pests occurred frequently, then it shall be moved under the scheduled services	

6.8.3. Area scope

Area scope

Table 18

Indoor areas (not limited to)	Outdoor area (not limited to)
Offices on construction sites	Yards in and around construction sites
Labor accommodations	Water tanks
Toilets at construction sites	Septic tanks
Inside storage and warehouses	Garbage bins
	Under-construction premises
	Drainage system manholes
	Storm waterline (storm water manholes)

6.8.4. Service frequency for scheduled services

Service frequency for scheduled services

Table 19

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Flies	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation flies control shall be carried out on daily basis until become at low level.</p> <p>2- At low level, flies control can be carried out on weekly basis.</p> <p>3- In case of high infestation space treatment is required to be carried out in regular daily basis until lowering the infestation level to low levels.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated flies' management.</p>
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- In case of high infestation rodent control shall be carried out on weekly basis until become at low</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>level.</p> <p>2-At low level, rodent control can be carried out on monthly basis.</p> <p>3-Rodenticides shall be used only for outdoor treatment and indoor treatments shall be limited on using non-chemical methods.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated rodent pests' management</p>
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation mosquitoes control shall be carried out on daily basis until become at low level.</p> <p>2- In case of having high infestation, regular space treatment shall be applied in regular daily basis until lowering the infestation level to low levels.</p> <p>3- At low level, mosquitoes control can be carried out on</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>weekly basis.</p> <p>4- Mosquitoes larvae control shall cover all places where standing water can be found such as storm water manholes, water ponds, water tanks, septic tanks...etc.</p> <p>5- In case when positive breeding sites are detected, those positive sites shall be treated and then followed up on daily basis until eradicating all active immature mosquitoes.</p> <p>For more information about infestation level measurements and indices please refer to Tadweer TG for integrated mosquitoes' management</p>
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- American cockroach control shall mainly focus on sewage system lines or manholes.</p> <p>2- In demolition sites, all sewage manholes shall be treated before proceeding in demolition process at least one week earlier.</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	3- Once the demolition process started, all sewage manholes around the demolition sites shall be treated in regular basis every two weeks.

Service provider shall survey and inspect all indoor and outdoor areas in each visit searching for any infestation signs for all pests

6.8.5. Service frequency for unscheduled services

Service frequency for unscheduled services (on demand)

Table 20

Pest	Area	Response time	Follow up frequency	Remarks
Flies, rodent, mosquitoes, American cockroach	Outdoor / indoor	24 hours	As per the Tadweer TG	As per follow up requirements in Tadweer TG's
Cockroaches, ant, bed bug, tick, and fleas	Outdoor / indoor	24 hours	As per the Tadweer TG	As per follow up requirements in Tadweer TG's
Dangerous pests	Outdoor / indoor	2 hours	Daily	Dangerous pest shall be responded within two hours and the follow up shall be carried out immediately. Service control team shall ensure occupants safety before leaving the workplace.
Stray animal	Outdoor	24 hours	Daily	Stray animals impounding depends on trapping the feral animals; thus, its required time is not determined. However, service provide shall respond by installing the required traps within 24

Pest	Area	Response time	Follow up frequency	Remarks
Stray animal	Outdoor	24 hours	Daily	hours. Stray animal impounding shall be done by service provider who has Tadweer permit for stray animal impounding. otherwise, the service shall be outsourced.

This standard aims to explain the required service frequency and scope only. Management methods, standards, instructions, tools and equipment specifications, safety instructions are mentioned in detail in Tadweer TG's for integrated management. When applying any treatment, service providers shall follow Tadweer TG's including

- 1 - Integrated flies management
- 2 - Integrated mosquitoes management
- 3 - Integrated cockroaches management
- 4 - Integrated rodent pests management.
- 5 - Integrated ant management
- 6 - Integrated bed bug management
- 7 - Integrated termite management
- 8 - Integrated tick and fleas management
- 9 - Dangerous pest management
- 10- Responsible use of pesticides



Pest Control Scope and Specifications

Airports

6.9. Chapter 5: Airports

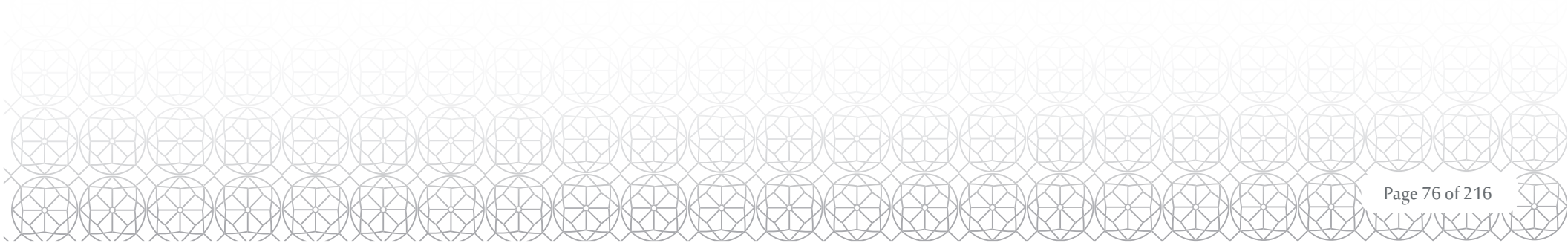


6.9 1. Introduction

Airports are one of the key sectors in UAE. Having poor public health services in airports can badly affect the public health by providing hidden and sufficient entry point, harborage and breeding sites for invading public health pests resulting in significant introduction and re-infestation that would threaten public health for airports occupants and the society as well.

6.9.2. Pests scope

The most common pests in airports are listed under scheduled services, other pests that expected to occur occasionally are listed under unscheduled services.



Pests scope for scheduled and unscheduled services

Table 21

Scheduled services (most common pests)	Unscheduled services (occasional pests)
Rodent pests	Cockroaches
Flies	Bed bug
Mosquitoes	Ant
American cockroach	Tick and fleas
	Stray animals
	Dangerous pests
In case if any of occasional pests occurred frequently, then it shall be moved under the scheduled services	

6.9.3. Area scope

Area scope

Table 22

Indoor areas (not limited to)	Outdoor area (not limited to)
Passengers halls and resting areas	Buildings roofs, air tunnels and surroundings
Luggage and cargo receiving areas	Water tanks
Offices	Septic tanks
Pantries and cafeterias	Garbage bins
Toilets	Yards and Landscapes
	Parking areas
	Drainage system manholes
	Storm waterline (storm water manholes)
	Storage and warehouses
	Utility rooms (electrical rooms, pump room)
	Workshops

6.9.4. Service frequency for scheduled services

Service frequency for scheduled services

Table 23

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Flies	Outdoor	14 days	Weekly	Daily	<p>1- In case of high infestation flies control shall be carried out on daily basis until become at low level.</p> <p>2- At low level, flies control can be carried out on weekly basis.</p> <p>3- In case of high infestation space treatment is required to be carried out in regular daily basis until lowering the infestation level to low levels.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated flies' management.</p>
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- In case of high infestation rodent control shall be carried out on weekly basis until become at low</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>level.</p> <p>2-At low level, rodent control can be carried out on monthly basis.</p> <p>3-Rodenticides shall be used only for outdoor treatment and indoor treatments shall be limited on using non-chemical methods.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated rodent pests' management</p>
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation mosquitoes control shall be carried out on daily basis until become at low level.</p> <p>2- In case of having high infestation, regular space treatment shall be applied in regular daily basis until lowering the infestation level to low levels.</p> <p>3- At low level, mosquitoes con-</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>control can be carried out on weekly basis.</p> <p>4- Mosquitoes larvae control shall cover all places where standing water can be found such as storm water manholes, water ponds, water tanks, septic tanks...etc.</p> <p>5- In case when positive breeding sites are detected, those positive sites shall be treated and then followed up on daily basis until eradicating all active immature mosquitoes.</p> <p>For more information about infestation level measurements and indices please refer to Tadweer TG for integrated mosquitoes' management</p>
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	American cockroach control shall mainly focus on sewage system lines or manholes.

Service provider shall survey and inspect all indoor and outdoor areas in each visit searching for any infestation signs for all pests

6.9.5. Service frequency for unscheduled services

Service frequency for unscheduled services (on demand)

Table 24

Pest	Area	Response time	Follow up frequency	Remarks
Flies, rodent, mosquitoes, American cockroach	Outdoor / indoor	24 hours	As per the Tadweer TG	As per follow up requirements in Tadweer TG's
Cockroaches, ant, bed bug, tick, and fleas	Outdoor / indoor	24 hours	As per the Tadweer TG	As per follow up requirements in Tadweer TG's
Dangerous pests	Outdoor / indoor	2 hours	Daily	Dangerous pest shall be responded within two hours and the follow up shall be carried out immediately. Service control team shall ensure occupants safety before leaving the workplace.
Stray animal	Outdoor	24 hours	Daily	Stray animals impounding depends on trapping the feral animals; thus, its required time is not determined. However, service provide shall respond by installing the required traps within 24 hours. Stray animal impounding shall

Pest	Area	Response time	Follow up frequency	Remarks
Stray animal	Outdoor	24 hours	Daily	be done by service provider who has Tadweer permit for stray animal impounding. otherwise, the service shall be outsourced.

This standard aims to explain the required service frequency and scope only. Management methods, standards, instructions, tools and equipment specifications, safety instructions are mentioned in detail in Tadweer TG's for integrated management. When applying any treatment, service providers shall follow Tadweer TG's including

- 1 - Integrated flies management
- 2 - Integrated mosquitoes management
- 3 - Integrated cockroaches management
- 4 - Integrated rodent pests management.
- 5 - Integrated ant management
- 6 - Integrated bed bug management
- 7 - Integrated termite management
- 8 - Integrated tick and fleas management
- 9 - Dangerous pest management
- 10- Responsible use of pesticides



Pest Control Scope and Specifications

Ports

6.10. Chapter 6: Ports

6.10.1. Introduction

Ports are one of the key sectors in UAE. Having poor public health services in ports can badly affect the public health by providing hidden and sufficient entry points, harborage and breeding sites for invading public health pests resulting in significant introduction and re-infestation that would threaten public health for ports occupants and the society as well.

6.10.2. Pests scope

The most common pests in ports are listed under scheduled services, other pests that expected to occur occasionally are listed under unscheduled services.

Pests scope for scheduled and unscheduled services

Table 25

Scheduled services (most common pests)	Unscheduled services (occasional pests)
Rodent pests	Cockroaches
Flies	Bed bug
Mosquitoes	Ant
American cockroach	Tick and fleas
	Stray animals
	Dangerous pests
In case if any of occasional pests occurred frequently, then it shall be moved under the scheduled services	

6.10.3. Area scope

Area scope

Table 26

Indoor areas (not limited to)	Outdoor area (not limited to)
Passengers halls and resting areas	Buildings roofs, air tunnels and surroundings
Luggage and cargo receiving areas	Water tanks
Offices	Septic tanks
Pantries and cafeterias	Garbage bins
Toilets	Yards and Landscapes
	Parking areas
	Drainage system manholes
	Storm waterline (storm water manholes)
	Storage and warehouses
	Utility rooms (electrical rooms, pump room)

6.10.4. Service frequency for scheduled services

Service frequency for scheduled services

Table 27

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Flies	Outdoor	14 days	Weekly	Daily	<p>1- In case of high infestation flies control shall be carried out on daily basis until become at low level.</p> <p>2- At low level, flies control can be carried out on weekly basis.</p> <p>3- In case of high infestation space treatment is required to be carried out in regular daily basis until lowering the infestation level to low levels.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated flies' management.</p>
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- In case of high infestation rodent control shall be carried out on weekly basis until become at low</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>level.</p> <p>2- At low level, rodent control can be carried out on monthly basis.</p> <p>3- Rodenticides shall be used only for outdoor treatment and indoor treatments shall be limited on using non-chemical methods. For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated rodent pests' management</p>
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation mosquitoes control shall be carried out on daily basis until become at low level.</p> <p>2- In case of having high infestation, regular space treatment shall be applied in regular daily basis until lowering the infestation level to low levels.</p> <p>3- At low level, mosquitoes control can be carried out on weekly basis.</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>4- Mosquitoes larvae control shall cover all places where standing water can be found such as storm water manholes, water ponds, water tanks, septic tanks...etc.</p> <p>5- In case when positive breeding sites are detected, those positive sites shall be treated and then followed up on daily basis until eradicating all active immature mosquitoes.</p> <p>For more information about infestation level measurements and indices please refer to Tadweer TG for integrated mosquitoes' management</p>
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	American cockroach control shall mainly focus on sewage system lines or manholes.

Service provider shall survey and inspect all indoor and outdoor areas in each visit searching for any infestation signs for all pests

6.10.5. Service frequency for unscheduled services

Service frequency for unscheduled services (on demand)

Table 28

Pest	Area	Response time	Follow up frequency	Remarks
Flies, rodent, mosquitoes, American cockroach	Outdoor / indoor	24 hours	As per the Tadweer TG	As per follow up requirements in Tadweer TG's
Cockroaches, ant, bed bug, tick, and fleas	Outdoor / indoor	24 hours	As per the Tadweer TG	As per follow up requirements in Tadweer TG's
Dangerous pests	Outdoor / indoor	2 hours	Daily	Dangerous pest shall be responded within two hours and the follow up shall be carried out immediately. Service control team shall ensure occupants safety before leaving the workplace.
Stray animal	Outdoor	24 hours	Daily	Stray animals impounding depends on trapping the feral animals; thus, its required time is not determined. However, service provide shall respond by installing the required traps within 24 hours. Stray animal impounding shall

Pest	Area	Response time	Follow up frequency	Remarks
Stray animal	Outdoor	24 hours	Daily	be done by service provider who has Tadweer permit for stray animal impounding. otherwise, the service shall be outsourced

This standard aims to explain the required service frequency and scope only. Management methods, standards, instructions, tools and equipment specifications, safety instructions are mentioned in detail in Tadweer TG's for integrated management. When applying any treatment, service providers shall follow Tadweer TG's including

- 1 - Integrated flies management
- 2 - Integrated mosquitoes management
- 3 - Integrated cockroaches management
- 4 - Integrated rodent pests management.
- 5 - Integrated ant management
- 6 - Integrated bed bug management
- 7 - Integrated termite management
- 8 - Integrated tick and fleas management
- 9 - Dangerous pest management
- 10- Responsible use of pesticides



Pest Control Scope and Specifications

Plant Nurseries

6.11. Chapter 7: Plant Nurseries

6.11.1. Introduction

Plant nurseries provide attractive location for pests due to the redundancy of water, shelter, and food resources. In addition, plant nurseries can also pose a threat of introduction of invading public health pests such as mosquitoes, that can be transferred along with imported plants such as lucky bamboo. Plant nurseries include any entity where fresh and live plants are stored, bred, produced, and/or traded and that is include (but not limited to):

- 1- Transplants, seedling production entities
- 2- Plant propagation and breeding entities.
- 3- Plant shops

6.11.2. Pests scope

The most common pests in plant nurseries are listed under scheduled services, other pests that expected to occur occasionally are listed under unscheduled services.

Pests scope for scheduled and unscheduled services

Table 29

Scheduled services (most common pests)	Unscheduled services (occasional pests)
Rodent pests	Cockroaches
Flies	Bed bug
Mosquitoes	Ant
American cockroach	Tick and fleas
	Stray animals
	Dangerous pests
In case if any of occasional pests occurred frequently, then it shall be moved under the scheduled services	

6.11.3. Area scope

Area scope

Table 30

Indoor areas (not limited to)	Outdoor area (not limited to)
Offices	Green houses
Labor accommodations	Water tanks
Toilets	Septic tanks
Inside packing plants	Garbage bins
	Yards and Landscapes
	Plant show and offering areas
	Drainage system manholes
	Storm waterline (storm water manholes)
	Storage and warehouses
	Utility rooms (electrical rooms, pump room)

6.11.4. Service frequency for scheduled services

Service frequency for scheduled services

Table 31

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Flies	Outdoor	14 days	Weekly	Daily	<p>1- In case of high infestation flies control shall be carried out on daily basis until become at low level.</p> <p>2- At low level, flies control can be carried out on weekly basis.</p> <p>3- In case of high infestation space treatment is required to be carried out in regular daily basis until lowering the infestation level to low levels.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated flies' management.</p>
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- In case of high infestation rodent control shall be carried out on weekly basis until become at low</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>level.</p> <p>2-At low level, rodent control can be carried out on monthly basis.</p> <p>3-Rodenticides shall be used only for outdoor treatment and indoor treatments shall be limited on using non-chemical methods.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated rodent pests' management</p>
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation mosquitoes control shall be carried out on daily basis until become at low level.</p> <p>2- In case of having high infestation, regular space treatment shall be applied in regular daily basis until lowering the infestation level to low levels.</p> <p>3- At low level, mosquitoes control can be carried out on week-</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>ly basis.</p> <p>4- Mosquitoes larvae control shall cover all places where standing water can be found such as storm water manholes, water ponds, water tanks, septic tanks...etc.</p> <p>5- In case when positive breeding sites are detected, those positive sites shall be treated and then followed up on daily basis until eradicating all active immature mosquitoes.</p> <p>For more information about infestation level measurements and indices please refer to Tadweer TG for integrated mosquitoes' management</p>
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	American cockroach control shall mainly focus on sewage system lines or manholes.

Service provider shall survey and inspect all indoor and outdoor areas in each visit searching for any infestation signs for all pests

6.11.5. Service frequency for unscheduled services

Service frequency for unscheduled services (on demand)

Table 32


Pest	Area	Response time	Follow up frequency	Remarks
Flies, rodent, mosquitoes, American cockroach	Outdoor / indoor	24 hours	As per the Tadweer TG	As per follow up requirements in Tadweer TG's
Cockroaches, ant, bed bug, tick, and fleas	Outdoor / indoor	24 hours	As per the Tadweer TG	As per follow up requirements in Tadweer TG's
Dangerous pests	Outdoor / indoor	2 hours	Daily	Dangerous pest shall be responded within two hours and the follow up shall be carried out immediately. Service control team shall ensure occupants safety before leaving the workplace.
Stray animal	Outdoor	24 hours	Daily	Stray animals impounding depends on trapping the feral animals; thus, its required time is not determined. However, service provide shall respond by installing the required traps within 24 hours. Stray animal impounding shall

Pest	Area	Response time	Follow up frequency	Remarks
Stray animal	Outdoor	24 hours	Daily	be done by service provider who has Tadweer permit for stray animal impounding. otherwise, the service shall be outsourced.

6.11.6. Special requirements

6.11.6.1. Imported plants:

- 1- Imported plant plant must be thoroughly checked and inspected once they are received, the inspection shall focus on mosquito's eggs.
- 2- Imported plant shall treated immediately once received with proper general insecticides as preventive measure to kill any insects.
- 3- Received imported plant shall be stored in isolated chamber until they treated and checked.



This standard aims to explain the required service frequency and scope only. Management methods, standards, instructions, tools and equipment specifications, safety instructions are mentioned in detail in Tadweer TG's for integrated management. When applying any treatment, service providers shall follow Tadweer TG's including

- 1 - Integrated flies management
- 2 - Integrated mosquitoes management
- 3 - Integrated cockroaches management
- 4 - Integrated rodent pests management.
- 5 - Integrated ant management
- 6 - Integrated bed bug management
- 7 - Integrated termite management
- 8 - Integrated tick and fleas management
- 9 - Dangerous pest management
- 10- Responsible use of pesticides



Pest Control Scope and Specifications

Labor Accommodations

6.12. Chapter 8: Labor Accommodations

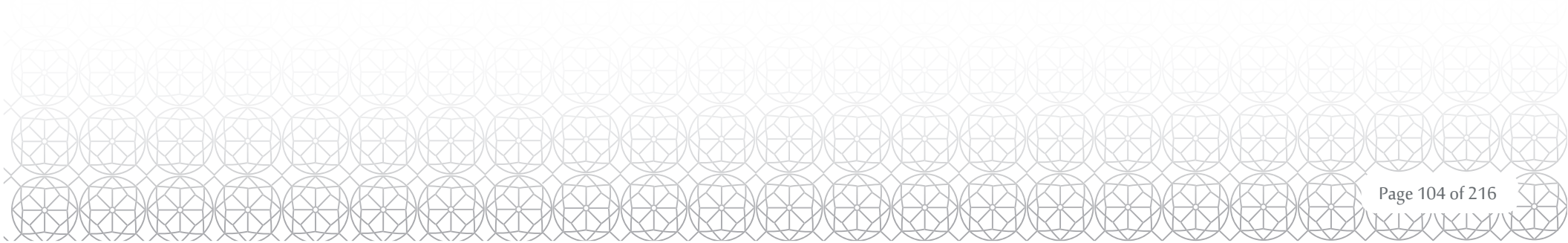


6.12.1. Introduction

Labor accommodations pose high public health threat due to the high number of occupants and the availability of conducive factors. Moreover, labor accommodations are important because of the highly active human movement and traffic that may increase the probability of introducing new diseases and disease vectors along with large number of individual international travels.

6.12.2. Pests scope

The most common pests in labor accommodations are listed under scheduled services, other pests that expected to occur occasionally are listed under unscheduled services.



Pests scope for scheduled and unscheduled services

Table 33

Scheduled services (most common pests)	Unscheduled services (occasional pests)
Rodent pests	Cockroaches
Flies	Ant
Mosquitoes	Tick and fleas
American cockroach	Stray animals
Bed bug	Dangerous pests
In case if any of occasional pests occurred frequently, then it shall be moved under the scheduled services	

6.12.3. Area scope

Area scope

Table 34

Indoor areas (not limited to)	Outdoor area (not limited to)
Bedrooms	Yards and Landscapes
Dining areas	Water tanks
Kitchens and pantries	Septic tanks
Toilets and shower rooms	Garbage bins
Living rooms	Plant show and offering areas
Indoor gyms	Drainage system manholes
Indoor prayer rooms	Storm waterline (storm water manholes)
Service rooms (laundry, washing rooms, stores, etc.)	Storage and warehouses
	Utility rooms (electrical rooms, pump room)

6.12.4. Service frequency for scheduled services

Service frequency for scheduled services

Table 35

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Flies	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation flies control shall be carried out on daily basis until become at low level.</p> <p>2- At low level, flies control can be carried out on weekly basis.</p> <p>3- In case of high infestation space treatment is required to be carried out in regular daily basis until lowering the infestation level to low levels.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated flies' management.</p>
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- In case of high infestation rodent control shall be carried out on weekly basis until become at low</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>level.</p> <p>2-At low level, rodent control can be carried out on monthly basis.</p> <p>3-Rodenticides shall be used only for outdoor treatment and indoor treatments shall be limited on using non-chemical methods.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated rodent pests' management</p>
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation mosquitoes control shall be carried out on daily basis until become at low level.</p> <p>2- In case of having high infestation, regular space treatment shall be applied in regular daily basis until lowering the infestation level to low levels.</p> <p>3- At low level, mosquitoes control can be carried out on week-</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>ly basis.</p> <p>4- Mosquitoes larvae control shall cover all places where standing water can be found such as storm water manholes, water ponds, water tanks, septic tanks...etc.</p> <p>5- In case when positive breeding sites are detected, those positive sites shall be treated and then followed up on daily basis until eradicating all active immature mosquitoes.</p> <p>For more information about infestation level measurements and indices please refer to Tadweer TG for integrated mosquitoes' management</p>
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- American cockroach control shall mainly focus on sewage system lines or manholes.</p> <p>2- In case of high infestation of American cockroaches, control treatments shall be carried out on weekly basis until lowering the infestation to low level.</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	3- For more information about cockroaches' management please refer to Tadweer TG for integrated cockroaches' management.
Bed bug	Indoor	Monthly	14 days	Weekly	<p>1- In normal situations when bed bug infestation is not detected yet, regular inspection is required to be conducted on monthly basis.</p> <p>2- In case bed bug infestation detected, it shall be treated and followed up every 14 days until complete eradication.</p> <p>3- In case of high infestation follow up shall be carried out regularly on weekly basis</p> <p>For more information about bed bug management, please refer to Tadweer TG for integrated bed bug management</p>

Service provider shall survey and inspect all indoor and outdoor areas in each visit searching for any infestation signs for all pests

6.12.5. Service frequency for unscheduled services

Service frequency for unscheduled services (on demand)

Table 36

Pest	Area	Response time	Follow up frequency	Remarks
Flies, rodent, mosquitoes, American cockroach	Outdoor / indoor	24 hours	As per the Tadweer TG	As per follow up requirements in Tadweer TG's
Cockroaches, ant, bed bug, tick, and fleas	Outdoor / indoor	24 hours	As per the Tadweer TG	As per follow up requirements in Tadweer TG's
Dangerous pests	Outdoor / indoor	2 hours	Daily	Dangerous pest shall be responded within two hours and the follow up shall be carried out immediately. Service control team shall ensure occupants safety before leaving the workplace.
Stray animal	Outdoor	24 hours	Daily	Stray animals impounding depends on trapping the feral animals; thus, its required time is not determined. However, service provide shall respond by installing the required traps within 24 hours. Stray animal impounding shall

Pest	Area	Response time	Follow up frequency	Remarks
Stray animal	Outdoor	24 hours	Daily	be done by service provider who has Tadweer permit for stray animal impounding. otherwise, the service shall be outsourced.

This standard aims to explain the required service frequency and scope only. Management methods, standards, instructions, tools and equipment specifications, safety instructions are mentioned in detail in Tadweer TG's for integrated management. When applying any treatment, service providers shall follow Tadweer TG's including

- 1 - Integrated flies management
- 2 - Integrated mosquitoes management
- 3 - Integrated cockroaches management
- 4 - Integrated rodent pests management.
- 5 - Integrated ant management
- 6 - Integrated bed bug management
- 7 - Integrated termite management
- 8 - Integrated tick and fleas management
- 9 - Dangerous pest management
- 10- Responsible use of pesticides



Pest Control Scope and Specifications

Food Processing Facilities

6.13. Chapter 9: Food Processing Facilities



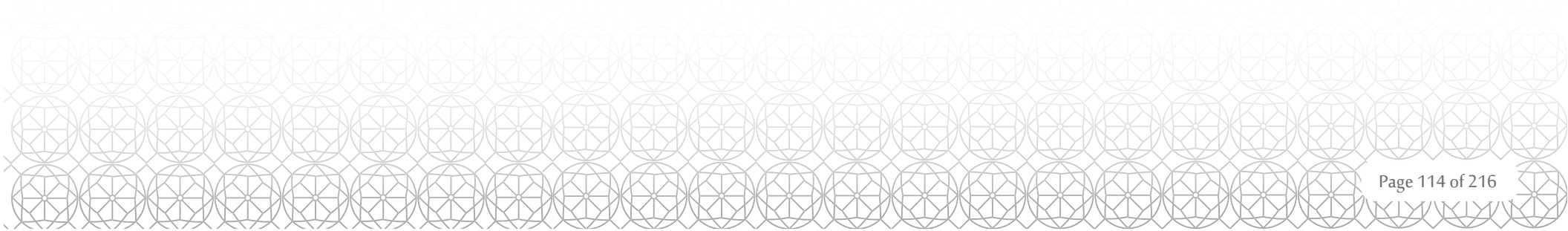
6.13.1. Introduction

In food processing facilities, public health pest control is very important because of the high potential risk of food contamination. Food processing facilities include (but not limited to)

- 1- Restaurants
- 2- Dairy factories
- 3- Food processing and packing factories.
- 4- Commercial kitchens in hotels and wedding holes
- 5- Bakeries
- 6- Any facilities where food is processed, prepared, packed, and/or served.

6.13.2. Pests scope

The most common pests in food processing facilities are listed under scheduled services, other pests that expected to occur occasionally are listed under unscheduled services.



Pests scope for scheduled and unscheduled services

Table 37

Scheduled services (most common pests)	Unscheduled services (occasional pests)
Rodent pests	Other cockroaches
Flies	Ant
Mosquitoes	Tick and fleas
American cockroach	Stray animals
German cockroach	Dangerous pests
	Bed bug
In case if any of occasional pests occurred frequently, then it shall be moved under the scheduled services	

6.13.3. Area scope

Area scope

Table 38

Indoor areas (not limited to)	Outdoor area (not limited to)
Food processing and preparation rooms	Yards and Landscapes
Dining areas	Water tanks
Kitchens and pantries	Septic tanks
Toilet	Garbage bins
Cooking rooms	Outdoor dining areas
Indoor gyms	Drainage system manholes
Food storage areas and rooms	Storm waterline (storm water manholes)
Service rooms (laundry, washing rooms, stores, etc.)	Storage and warehouses
	Utility rooms (electrical rooms, pump room)

6.13.4. Service frequency for scheduled services

Service frequency for scheduled services

Table 39

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Flies	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation flies control shall be carried out on daily basis until become at low level.</p> <p>2- At low level, flies control can be carried out on weekly basis.</p> <p>3- In case of high infestation space treatment is required to be carried out in regular daily basis until lowering the infestation level to low levels.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated flies' management.</p>
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- In case of high infestation rodent control shall be carried out on weekly basis until become at low</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>level.</p> <p>2- At low level, rodent control can be carried out on monthly basis.</p> <p>3- Rodenticides shall be used only for outdoor treatment and indoor treatments shall be limited on using non-chemical methods.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated rodent pests' management</p>
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation mosquitoes control shall be carried out on daily basis until become at low level.</p> <p>2- In case of having high infestation, regular space treatment shall be applied in regular daily basis until lowering the infestation level to low levels.</p> <p>3- At low level, mosquitoes control can be carried out on</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>weekly basis.</p> <p>4- Mosquitoes larvae control shall cover all places where standing water can be found such as storm water manholes, water ponds, water tanks, septic tanks...etc.</p> <p>5- In case when positive breeding sites are detected, those positive sites shall be treated and then followed up on daily basis until eradicating all active immature mosquitoes.</p> <p>For more information about infestation level measurements and indices please refer to Tadweer TG for integrated mosquitoes' management</p>
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- American cockroach control shall mainly focus on sewage system lines or manholes.</p> <p>2- In case of high infestation of American cockroaches, control treatments shall be carried out on weekly basis until lowering the infestation to low level.</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	3- For more information about cockroaches' management please refer to Tadweer TG for integrated cockroaches' management.
German cockroach	Indoor	Monthly	14 days	Weekly	<p>1- In normal situations when German cockroach infestation is not detected yet, regular inspection is required to be conducted on monthly basis.</p> <p>2- In case German cockroach infestation detected, it shall be treated and followed up every 14 days until complete eradication.</p> <p>3- In case of high infestation follow up shall be carried out regularly on weekly basis</p> <p>For more information about German cockroach management, please refer to Tadweer TG for integrated German cockroach management</p>

Service provider shall survey and inspect all indoor and outdoor areas in each visit searching for any infestation signs for all pests

6.13.5. Service frequency for unscheduled services

Service frequency for unscheduled services (on demand)

Table 40

Pest	Area	Response time	Follow up frequency	Remarks
Flies, rodent, mosquitoes, American cockroach	Outdoor / indoor	24 hours	As per the Tadweer TG	As per follow up requirements in Tadweer TG's
Cockroaches, ant, bed bug, tick, and fleas	Outdoor / indoor	24 hours	As per the Tadweer TG	As per follow up requirements in Tadweer TG's
Dangerous pests	Outdoor / indoor	2 hours	Daily	Dangerous pest shall be responded within two hours and the follow up shall be carried out immediately. Service control team shall ensure occupants safety before leaving the workplace.
Stray animal	Outdoor	24 hours	Daily	Stray animals impounding depends on trapping the feral animals; thus, its required time is not determined. However, service provide shall respond by installing the required traps within 24

Pest	Area	Response time	Follow up frequency	Remarks
Stray animal	Outdoor	24 hours	Daily	hours. Stray animal impounding shall be done by service provider who has Tadweer permit for stray animal impounding. otherwise, the service shall be outsourced.

This standard aims to explain the required service frequency and scope only. Management methods, standards, instructions, tools and equipment specifications, safety instructions are mentioned in detail in Tadweer TG's for integrated management. When applying any treatment, service providers shall follow Tadweer TG's including

- 1 - Integrated flies management
- 2 - Integrated mosquitoes management
- 3 - Integrated cockroaches management
- 4 - Integrated rodent pests management.
- 5 - Integrated ant management
- 6 - Integrated bed bug management
- 7 - Integrated termite management
- 8 - Integrated tick and fleas management
- 9 - Dangerous pest management
- 10- Responsible use of pesticides



Pest Control Scope and Specifications

Groceries and Hypermarkets

6.14. Chapter 10: Groceries and Hypermarkets

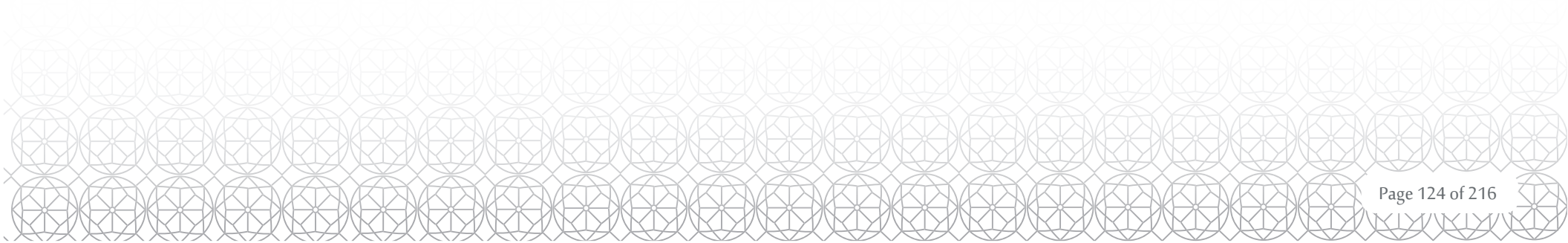


6.14.1. Introduction

In groceries and hyper markets public health pest control is very important because of the high potential risk of food contamination, large number of shoppers and goods exchange.

6.14.2. Pests scope

The most common pests in groceries and hyper markets are listed under scheduled services, other pests that expected to occur occasionally are listed under unscheduled services



Pests scope for scheduled and unscheduled services

Table 41

Scheduled services (most common pests)	Unscheduled services (occasional pests)
Rodent pests	Other cockroaches
Flies	Ant
Mosquitoes	Tick and fleas
American cockroach	Stray animals
German cockroach	Dangerous pests
	Bed bug
In case if any of occasional pests occurred frequently, then it shall be moved under the scheduled services	

6.14.3. Area scope

Area scope

Table 42

Indoor areas (not limited to)	Outdoor area (not limited to)
Food shelves	Yards and Landscapes
Fresh food show areas	Water tanks
Kitchens and pantries	Septic tanks
Toilet	Garbage bins
Food storage areas and rooms	Parking areas
Service rooms (laundry, washing rooms, stores, etc.)	Drainage system manholes
	Storm waterline (storm water manholes)
	Storage and warehouses
	Utility rooms (electrical rooms, pump room)

6.14.4. Service frequency for scheduled services

Service frequency for scheduled services

Table 43

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Flies	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation flies control shall be carried out on daily basis until become at low level.</p> <p>2- At low level, flies control can be carried out on weekly basis.</p> <p>3- In case of high infestation space treatment is required to be carried out in regular daily basis until lowering the infestation level to low levels.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated flies' management.</p>
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- In case of high infestation rodent control shall be carried out on weekly basis until become at low</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>level.</p> <p>2-At low level, rodent control can be carried out on monthly basis.</p> <p>3-Rodenticides shall be used only for outdoor treatment and indoor treatments shall be limited on using non-chemical methods.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated rodent pests' management</p>
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation mosquitoes control shall be carried out on daily basis until become at low level.</p> <p>2- In case of having high infestation, regular space treatment shall be applied in regular daily basis until lowering the infestation level to low levels.</p> <p>3- At low level, mosquitoes control can be carried out on</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>weekly basis.</p> <p>4- Mosquitoes larvae control shall cover all places where standing water can be found such as storm water manholes, water ponds, water tanks, septic tanks...etc.</p> <p>5- In case when positive breeding sites are detected, those positive sites shall be treated and then followed up on daily basis until eradicating all active immature mosquitoes.</p> <p>For more information about infestation level measurements and indices please refer to Tadweer TG for integrated mosquitoes' management</p>
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- American cockroach control shall mainly focus on sewage system lines or manholes.</p> <p>2- In case of high infestation of American cockroaches, control treatments shall be carried out on weekly basis until lowering the infestation to low level.</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	3- For more information about cockroaches' management please refer to Tadweer TG for integrated cockroaches' management.
German cockroach	Indoor	Monthly	14 days	Weekly	<p>1- In normal situations when German cockroach infestation is not detected yet, regular inspection is required to be conducted on monthly basis.</p> <p>2- In case German cockroach infestation detected, it shall be treated and followed up every 14 days until complete eradication.</p> <p>3- In case of high infestation follow up shall be carried out regularly on weekly basis</p> <p>For more information about German cockroach management, please refer to Tadweer TG for integrated German cockroach management</p>

Service provider shall survey and inspect all indoor and outdoor areas in each visit searching for any infestation signs for all pests

6.14.5. Service frequency for unscheduled services

Service frequency for unscheduled services (on demand)

Table 44

Pest	Area	Response time	Follow up frequency	Remarks
Flies, rodent, mosquitoes, American cockroach	Outdoor / indoor	24 hours	As per Tadweer TG follow up requirements	Please refer to Tadweer TG's
Cockroaches, ant, bed bug, tick, and fleas	Outdoor / indoor	24 hours	As per Tadweer TG follow up requirements	Please refer to Tadweer TG's
Dangerous pests	Outdoor / indoor	2 hours	Daily	Dangerous pest shall be responded within two hours and the follow up shall be carried out immediately. Service control team shall ensure occupants safety before leaving the workplace.
Stray animal	Outdoor	24 hours	Daily	Stray animals impounding depends on trapping the feral animals; thus, its required time is not determined. However, service provide shall respond by installing the required traps within 24 hours. Stray animal impounding shall

Pest	Area	Response time	Follow up frequency	Remarks
Stray animal	Outdoor	24 hours	Daily	be done by service provider who has Tadweer permit for stray animal impounding. otherwise, the service shall be outsourced.

This standard aims to explain the required service frequency and scope only. Management methods, standards, instructions, tools and equipment specifications, safety instructions are mentioned in detail in Tadweer TG's for integrated management. When applying any treatment, service providers shall follow Tadweer TG's including

- 1 - Integrated flies management
- 2 - Integrated mosquitoes management
- 3 - Integrated cockroaches management
- 4 - Integrated rodent pests management.
- 5 - Integrated ant management
- 6 - Integrated bed bug management
- 7 - Integrated termite management
- 8 - Integrated tick and fleas management
- 9 - Dangerous pest management
- 10- Responsible use of pesticides



Pest Control Scope and Specifications

Fruits and Vegetables, Meat, Fish and Fresh Food Markets

6.15. Chapter 11: Fruits and Vegetables, Meat, Fish and Fresh Food Markets

6.15.1. Introduction

In fruits and vegetables, meat, fish and fresh food markets public health pest control is very important because of the high potential risk of food contamination, large number of shoppers and goods exchange in addition to plenty of food resources.

6.15.2. Pests scope

The most common pests in fruits and vegetables, meat, fish and fresh food markets are listed under scheduled services, other pests that expected to occur occasionally are listed under unscheduled services.

Pests scope for scheduled and unscheduled services

Table 45

Scheduled services (most common pests)	Unscheduled services (occasional pests)
Rodent pests	Other cockroaches
Flies	Ant
Mosquitoes	Tick and fleas
American cockroach	Stray animals
German cockroach	Dangerous pests
	Bed bug
In case if any of occasional pests occurred frequently, then it shall be moved under the scheduled services	

6.15.3. Area scope

Area scope

Table 46

Indoor areas (not limited to)	Outdoor area (not limited to)
Food shelves	Yards and Landscapes
Fresh food show areas	Water tanks
Kitchens and pantries	Septic tanks
Toilet	Garbage bins
Food storage areas and rooms	Parking areas
Service rooms (laundry, washing rooms, stores, etc.)	Drainage system manholes
	Storm waterline (storm water manholes)
	Storage and warehouses
	Utility rooms (electrical rooms, pump room)

6.15.4. Service frequency for scheduled services

Service frequency for scheduled services

Table 47

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Flies	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation flies control shall be carried out on daily basis until become at low level.</p> <p>2- At low level, flies control can be carried out on weekly basis.</p> <p>3- In case of high infestation space treatment is required to be carried out in regular daily basis until lowering the infestation level to low levels.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated flies' management.</p>
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- In case of high infestation rodent control shall be carried out on weekly basis until become at low</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>level.</p> <p>2-At low level, rodent control can be carried out on monthly basis.</p> <p>3-Rodenticides shall be used only for outdoor treatment and indoor treatments shall be limited on using non-chemical methods.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated rodent pests' management</p>
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation mosquitoes control shall be carried out on daily basis until become at low level.</p> <p>2- In case of having high infestation, regular space treatment shall be applied in regular daily basis until lowering the infestation level to low levels.</p> <p>3- At low level, mosquitoes control can be carried out on</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>weekly basis.</p> <p>4- Mosquitoes larvae control shall cover all places where standing water can be found such as storm water manholes, water ponds, water tanks, septic tanks...etc.</p> <p>5- In case when positive breeding sites are detected, those positive sites shall be treated and then followed up on daily basis until eradicating all active immature mosquitoes.</p> <p>For more information about infestation level measurements and indices please refer to Tadweer TG for integrated mosquitoes' management</p>
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- American cockroach control shall mainly focus on sewage system lines or manholes.</p> <p>2- In case of high infestation of American cockroaches, control treatments shall be carried out on weekly basis until lowering the infestation to low level.</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	3- For more information about cockroaches' management please refer to Tadweer TG for integrated cockroaches' management.
German cockroach	Indoor	Monthly	14 days	Weekly	<p>1- In normal situations when German cockroach infestation is not detected yet, regular inspection is required to be conducted on monthly basis.</p> <p>2- In case German cockroach infestation detected, it shall be treated and followed up every 14 days until complete eradication.</p> <p>3- In case of high infestation follow up shall be carried out regularly on weekly basis</p> <p>For more information about German cockroach management, please refer to Tadweer TG for integrated German cockroach management</p>

Service provider shall survey and inspect all indoor and outdoor areas in each visit searching for any infestation signs for all pests

6.15.5. Service frequency for unscheduled services

Service frequency for unscheduled services (on demand)

Table 48

Pest	Area	Response time	Follow up frequency	Remarks
Flies, rodent, mosquitoes, American cockroach	Outdoor / indoor	24 hours	As per Tadweer TG follow up requirements	Please refer to Tadweer TG's
Cockroaches, ant, bed bug, tick, and fleas	Outdoor / indoor	24 hours	As per Tadweer TG follow up requirements	Please refer to Tadweer TG's
Dangerous pests	Outdoor / indoor	2 hours	Daily	Dangerous pest shall be responded within two hours and the follow up shall be carried out immediately. Service control team shall ensure occupants safety before leaving the workplace.
Stray animal	Outdoor	24 hours	Daily	Stray animals impounding depends on trapping the feral animals; thus, its required time is not determined. However, service provide shall respond by installing the required traps within 24 hours. Stray animal impounding shall

Pest	Area	Response time	Follow up frequency	Remarks
Stray animal	Outdoor	24 hours	Daily	be done by service provider who has Tadweer permit for stray animal impounding. otherwise, the service shall be outsourced.

This standard aims to explain the required service frequency and scope only. Management methods, standards, instructions, tools and equipment specifications, safety instructions are mentioned in detail in Tadweer TG's for integrated management. When applying any treatment, service providers shall follow Tadweer TG's including

- 1 - Integrated flies management
- 2 - Integrated mosquitoes management
- 3 - Integrated cockroaches management
- 4 - Integrated rodent pests management.
- 5 - Integrated ant management
- 6 - Integrated bed bug management
- 7 - Integrated termite management
- 8 - Integrated tick and fleas management
- 9 - Dangerous pest management
- 10- Responsible use of pesticides



Pest Control Scope and Specifications

Hospitals / Medical Centers

6.16. Chapter 12: Hospitals / Medical Centers

6.16.1. Introduction

In hospitals and medical centers public health pest control is very important mainly due to the risk of disease transmission and the vulnerability of patients visiting those entities. Hospitals and medical centers include (but not limited to)

- 1- Hospitals
- 2- Medical centers
- 3- Medical clinics
- 4- Dental clinics
- 5- Medical laboratories
- 6- Cosmetic medical center
- 7- Any entity where patients are hospitalized, treated, and/ or medically examined.

6.16.2. Pests scope

The most common pests in hospitals and medical centers are listed under scheduled services, other pests that expected to occur occasionally are listed under unscheduled services.

Pests scope for scheduled and unscheduled services

Table 49

Scheduled services (most common pests)	Unscheduled services (occasional pests)
Rodent pests	Other Cockroaches
Flies	Tick and fleas
Mosquitoes	Stray animals
American cockroach	Dangerous pests
German cockroach	
Bed bug	
Ant	
In case if any of occasional pests occurred frequently, then it shall be moved under the scheduled services	

6.16.3. Area scope

Area scope

Table 50

Indoor areas (not limited to)	Outdoor area (not limited to)
Medical treatment rooms	Yards and Landscapes
Bedrooms or caring rooms	Water tanks
Kitchens and pantries	Septic tanks
Toilet	Garbage bins
Food storage areas and rooms	Parking areas
Service rooms (laundry, washing rooms, stores, etc.)	Drainage system manholes
	Storm waterline (storm water manholes)
	Storage and warehouses
	Utility rooms (electrical rooms, pump room)

6.16.4. Service frequency for scheduled services

Service frequency for scheduled services

Table 51

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Flies	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation flies control shall be carried out on daily basis until become at low level.</p> <p>2- At low level, flies control can be carried out on weekly basis.</p> <p>3- In case of high infestation space treatment is required to be carried out in regular daily basis until lowering the infestation level to low levels.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated flies' management.</p>
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- In case of high infestation rodent control shall be carried out on weekly basis until become at low</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>level.</p> <p>2-At low level, rodent control can be carried out on monthly basis.</p> <p>3-Rodenticides shall be used only for outdoor treatment and indoor treatments shall be limited on using non-chemical methods.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated rodent pests' management</p>
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation mosquitoes control shall be carried out on daily basis until become at low level.</p> <p>2- In case of having high infestation, regular space treatment shall be applied in regular daily basis until lowering the infestation level to low levels.</p> <p>3- At low level, mosquitoes control can be carried out on</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>weekly basis.</p> <p>4- Mosquitoes larvae control shall cover all places where standing water can be found such as storm water manholes, water ponds, water tanks, septic tanks...etc.</p> <p>5- In case when positive breeding sites are detected, those positive sites shall be treated and then followed up on daily basis until eradicating all active immature mosquitoes.</p> <p>For more information about infestation level measurements and indices please refer to Tadweer TG for integrated mosquitoes' management</p>
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- American cockroach control shall mainly focus on sewage system lines or manholes.</p> <p>2- In case of high infestation of American cockroaches, control treatments shall be carried out on weekly basis until lowering the infestation to low level.</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	3- For more information about cockroaches' management please refer to Tadweer TG for integrated cockroaches' management.
German cockroach	Indoor	Monthly	14 days	Weekly	<p>1- In normal situations when German cockroach infestation is not detected yet, regular inspection is required to be conducted on monthly basis.</p> <p>2- In case German cockroach infestation detected, it shall be treated and followed up every 14 days until complete eradication.</p> <p>3- In case of high infestation follow up shall be carried out regularly on weekly basis</p> <p>For more information about German cockroach management, please refer to Tadweer TG for integrated German cockroach management</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Bed bug	Indoor	Monthly	14 days	Weekly	<p>1- In normal situations when bed bug infestation is not detected yet, regular inspection is required to be conducted every month.</p> <p>2- In case infestation detected, it shall be treated and followed up every 14 days until complete eradication.</p> <p>3- In case of high infestation, follow up shall be carried out regularly every week until complete eradicating of the infestation.</p> <p>For more information about bed bug management, please refer to Tadweer TG for integrated bed bug management.</p>
Ant	Indoor	Monthly	14 days	Weekly	<p>1- In normal situations when ant infestation is not detected yet, regular inspection is required to be conducted every month.</p> <p>2- In case infestation detected, it shall be treated and followed up every 14 days until complete eradication.</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Ant	Indoor	Monthly	14 days	Weekly	<p>3- In case of high infestation, follow up shall be carried out regularly every week until complete eradicating of the infestation.</p> <p>For more information about ant management, please refer to Tadweer TG for integrated ant management.</p>

Service provider shall survey and inspect all indoor and outdoor areas in each visit searching for any infestation signs for all pests

6.16.5. Service frequency for unscheduled services

Service frequency for unscheduled services (on demand)

Table 52

Pest	Area	Response time	Follow up frequency	Remarks
Flies, rodent, mosquitoes, American cockroach	Outdoor / indoor	24 hours	As per Tadweer TG follow up requirements	Please refer to Tadweer TG's
Cockroaches, ant, bed bug, tick, and fleas	Outdoor / indoor	24 hours	As per Tadweer TG follow up requirements	Please refer to Tadweer TG's
Dangerous pests	Outdoor / indoor	2 hours	Daily	Dangerous pest shall be responded within two hours and the follow up shall be carried out immediately. Service control team shall ensure occupants safety before leaving the workplace.
Stray animal	Outdoor	24 hours	Daily	Stray animals impounding depends on trapping the feral animals; thus, its required time is not determined. However, service provide shall respond by installing the required traps within 24 hours. Stray animal impounding shall

Pest	Area	Response time	Follow up frequency	Remarks
Stray animal	Outdoor	24 hours	Daily	be done by service provider who has Tadweer permit for stray animal impounding. otherwise, the service shall be outsourced.

This standard aims to explain the required service frequency and scope only. Management methods, standards, instructions, tools and equipment specifications, safety instructions are mentioned in detail in Tadweer TG's for integrated management. When applying any treatment, service providers shall follow Tadweer TG's including

- 1 - Integrated flies management
- 2 - Integrated mosquitoes management
- 3 - Integrated cockroaches management
- 4 - Integrated rodent pests management.
- 5 - Integrated ant management
- 6 - Integrated bed bug management
- 7 - Integrated termite management
- 8 - Integrated tick and fleas management
- 9 - Dangerous pest management
- 10- Responsible use of pesticides



Pest Control Scope and Specifications

Animals and Birds Markets and Commercial
Barns and Farms

6.17. Chapter 13: Animals and Birds Markets and Commercial Barns and Farms

6.17.1. Introduction

In Animals and birds' markets and commercial barns and farms public health pest control is very important mainly due to the risk of disease transmission and the redundancy of factors conducive to infestation. Animals and birds' markets and commercial barns and farms include (but not limited to)

- 1- Livestock and poultries market (live)
- 2- Pets markets and shops
- 3- Commercial animal barns and farms
- 4- Poultry farms
- 5- Any entity where livestock, poultries, cattle are bed, traded, produced and or kept for commercial purposes.

6.17.2. Pests scope

The most common pests in animals and birds' markets and commercial barns and farms are listed under scheduled services, other pests that expected to occur occasionally are listed under unscheduled services.

Pests scope for scheduled and unscheduled services

Table 53

Scheduled services (most common pests)	Unscheduled services (occasional pests)
Rodent pests	Cockroaches
Flies	Stray animals
Mosquitoes	Dangerous pests
American cockroach	German cockroach
Tick and fleas	Bed bug
	Ant
In case if any of occasional pests occurred frequently, then it shall be moved under the scheduled services	

6.17.3. Area scope

Area scope

Table 54

Indoor areas (not limited to)	Outdoor area (not limited to)
Animal feeders and feed storage	Yards and Landscapes
Animal drinker bowls	Water tanks
Barns	Septic tanks
Toilet	Garbage bins
Animal manure piles inside the barns	Animal manure collection and storage areas
Service rooms (laundry, washing rooms, stores, etc.)	Drainage system manholes
	Storm waterline (storm water manholes)
	Storage and warehouses
	Utility rooms (electrical rooms, pump room)

6.17.4. Service frequency for scheduled services

Service frequency for scheduled services

Table 55

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Flies	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation flies control shall be carried out on daily basis until become at low level.</p> <p>2- At low level, flies control can be carried out on weekly basis.</p> <p>3- In case of high infestation space treatment is required to be carried out in regular daily basis until lowering the infestation level to low levels.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated flies' management.</p>
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- In case of high infestation rodent control shall be carried out on weekly basis until become at low</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>level.</p> <p>2-At low level, rodent control can be carried out on monthly basis.</p> <p>3-Rodenticides shall be used only for outdoor treatment and indoor treatments shall be limited on using non-chemical methods.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated rodent pests' management</p>
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation mosquitoes control shall be carried out on daily basis until become at low level.</p> <p>2- In case of having high infestation, regular space treatment shall be applied in regular daily basis until lowering the infestation level to low levels.</p> <p>3- At low level, mosquitoes control can be carried out on</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>weekly basis.</p> <p>4- Mosquitoes larvae control shall cover all places where standing water can be found such as storm water manholes, water ponds, water tanks, septic tanks...etc.</p> <p>5- In case when positive breeding sites are detected, those positive sites shall be treated and then followed up on daily basis until eradicating all active immature mosquitoes.</p> <p>For more information about infestation level measurements and indices please refer to Tadweer TG for integrated mosquitoes' management</p>
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- American cockroach control shall mainly focus on sewage system lines or manholes.</p> <p>2- In case of high infestation of American cockroaches, control treatments shall be carried out on weekly basis until lowering the infestation to low level.</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	3- For more information about cockroaches' management please refer to Tadweer TG for integrated cockroaches' management.
Tick and fleas	Indoor	Monthly	14 days	Weekly	<p>1- In normal situations when tick and fleas infestation is not detected yet, regular inspection is required to be conducted on monthly basis.</p> <p>2- In case infestation detected, it shall be treated and followed up every 14 days until complete eradication.</p> <p>3- In case of high infestation, follow up shall be carried out regularly on weekly basis.</p> <p>For more information about tick and fleas management, please refer to Tadweer TG for integrated tick and fleas management.</p>

Service provider shall survey and inspect all indoor and outdoor areas in each visit searching for any infestation signs for all pests

6.17.5. Service frequency for unscheduled services

Service frequency for unscheduled services (on demand)

Table 56

Pest	Area	Response time	Follow up frequency	Remarks
Flies, rodent, mosquitoes, American cockroach	Outdoor / indoor	24 hours	As per Tadweer TG follow up requirements	Please refer to Tadweer TG's
Cockroaches, ant, bed bug, tick, and fleas	Outdoor / indoor	24 hours	As per Tadweer TG follow up requirements	Please refer to Tadweer TG's
Dangerous pests	Outdoor / indoor	2 hours	Daily	Dangerous pest shall be responded within two hours and the follow up shall be carried out immediately. Service control team shall ensure occupants safety before leaving the workplace.
Stray animal	Outdoor	24 hours	Daily	Stray animals impounding depends on trapping the feral animals; thus, its required time is not determined. However, service provide shall respond by installing the required traps within 24 hours. Stray animal impounding shall

Pest	Area	Response time	Follow up frequency	Remarks
Stray animal	Outdoor	24 hours	Daily	be done by service provider who has Tadweer permit for stray animal impounding. otherwise, the service shall be outsourced.

This standard aims to explain the required service frequency and scope only. Management methods, standards, instructions, tools and equipment specifications, safety instructions are mentioned in detail in Tadweer TG's for integrated management. When applying any treatment, service providers shall follow Tadweer TG's including

- 1 - Integrated flies management
- 2 - Integrated mosquitoes management
- 3 - Integrated cockroaches management
- 4 - Integrated rodent pests management.
- 5 - Integrated ant management
- 6 - Integrated bed bug management
- 7 - Integrated termite management
- 8 - Integrated tick and fleas management
- 9 - Dangerous pest management
- 10- Responsible use of pesticides



Pest Control Scope and Specifications

Slaughterhouses

6.18. Chapter 14: Slaughterhouses

6.18.1. Introduction

In Slaughterhouses, public health pest control is very important mainly due to the risk of disease transmission and the redundancy of factors conducive to infestation.

6.18.2. Pests scope

The most common pests in slaughterhouses are listed under scheduled services, other pests that expected to occur occasionally are listed under unscheduled services.

Pests scope for scheduled and unscheduled services

Table 57

Scheduled services (most common pests)	Unscheduled services (occasional pests)
Rodent pests	Cockroaches
Flies	Stray animals
Mosquitoes	Dangerous pests
American cockroach	Bed bug
Tick and fleas	Ant
In case if any of occasional pests occurred frequently, then it shall be moved under the scheduled services	

6.18.3. Area scope

Area scope

Table 58

Indoor areas (not limited to)	Outdoor area (not limited to)
Offices	Yards and Landscapes
Slaughtering rooms	Water tanks
Waiting areas	Septic tanks
Toilet	Garbage bins
Service rooms (laundry, washing rooms, stores, etc.)	Animal manure collection and storage areas
Kitchens and pantries	Drainage system manholes
Employees resting areas	Storm waterline (storm water manholes)
Animal receiving points	Storage and warehouses
	Utility rooms (electrical rooms, pump room)

6.18.4. Service frequency for scheduled services

Service frequency for scheduled services

Table 59

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Flies	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation flies control shall be carried out on daily basis until become at low level.</p> <p>2- At low level, flies control can be carried out on weekly basis.</p> <p>3- In case of high infestation space treatment is required to be carried out in regular daily basis until lowering the infestation level to low levels.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated flies' management.</p>
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- In case of high infestation rodent control shall be carried out on weekly basis until become at low</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>level.</p> <p>2-At low level, rodent control can be carried out on monthly basis.</p> <p>3-Rodenticides shall be used only for outdoor treatment and indoor treatments shall be limited on using non-chemical methods.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated rodent pests' management</p>
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation mosquitoes control shall be carried out on daily basis until become at low level.</p> <p>2- In case of having high infestation, regular space treatment shall be applied in regular daily basis until lowering the infestation level to low levels.</p> <p>3- At low level, mosquitoes control can be carried out on</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>weekly basis.</p> <p>4- Mosquitoes larvae control shall cover all places where standing water can be found such as storm water manholes, water ponds, water tanks, septic tanks...etc.</p> <p>5- In case when positive breeding sites are detected, those positive sites shall be treated and then followed up on daily basis until eradicating all active immature mosquitoes.</p> <p>For more information about infestation level measurements and indices please refer to Tadweer TG for integrated mosquitoes' management</p>
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- American cockroach control shall mainly focus on sewage system lines or manholes.</p> <p>2- In case of high infestation of American cockroaches, control treatments shall be carried out on weekly basis until lowering the infestation to low level.</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	3- For more information about cockroaches' management please refer to Tadweer TG for integrated cockroaches' management.
Tick and fleas	Indoor	Monthly	14 days	Weekly	<p>1- In normal situations when tick and fleas infestation is not detected yet, regular inspection is required to be conducted on monthly basis.</p> <p>2- In case infestation detected, it shall be treated and followed up every 14 days until complete eradication.</p> <p>3- In case of high infestation, follow up shall be carried out regularly on weekly basis.</p> <p>For more information about tick and fleas management, please refer to Tadweer TG for integrated tick and fleas management.</p>

Service provider shall survey and inspect all indoor and outdoor areas in each visit searching for any infestation signs for all pests

6.18.5. Service frequency for unscheduled services

Service frequency for unscheduled services (on demand)

Table 60

Pest	Area	Response time	Follow up frequency	Remarks
Flies, rodent, mosquitoes, American cockroach	Outdoor / indoor	24 hours	As per Tadweer TG follow up requirements	Please refer to Tadweer TG's
Cockroaches, ant, bed bug, tick, and fleas	Outdoor / indoor	24 hours	As per Tadweer TG follow up requirements	Please refer to Tadweer TG's
Dangerous pests	Outdoor / indoor	2 hours	Daily	Dangerous pest shall be responded within two hours and the follow up shall be carried out immediately. Service control team shall ensure occupants safety before leaving the workplace.
Stray animal	Outdoor	24 hours	Daily	Stray animals impounding depends on trapping the feral animals; thus, its required time is not determined. However, service provide shall respond by installing the required traps within 24 hours. Stray animal impounding shall

Pest	Area	Response time	Follow up frequency	Remarks
Stray animal	Outdoor	24 hours	Daily	be done by service provider who has Tadweer permit for stray animal impounding. otherwise, the service shall be outsourced.

This standard aims to explain the required service frequency and scope only. Management methods, standards, instructions, tools and equipment specifications, safety instructions are mentioned in detail in Tadweer TG's for integrated management. When applying any treatment, service providers shall follow Tadweer TG's including

- 1 - Integrated flies management
- 2 - Integrated mosquitoes management
- 3 - Integrated cockroaches management
- 4 - Integrated rodent pests management.
- 5 - Integrated ant management
- 6 - Integrated bed bug management
- 7 - Integrated termite management
- 8 - Integrated tick and fleas management
- 9 - Dangerous pest management
- 10- Responsible use of pesticides



Pest Control Scope and Specifications

Malls

6.19. Chapter 15: Malls

6.19.1. Introduction

In malls public health pest control is very important mainly due to the risk of disease transmission and the large number of occupants and visitors.

6.19.2. Pests scope

The most common pests in malls are listed under scheduled services, other pests that expected to occur occasionally are listed under unscheduled services.

Pests scope for scheduled and unscheduled services

Table 61

Scheduled services (most common pests)	Unscheduled services (occasional pests)
Rodent pests	Cockroaches
Flies	Bed bug
Mosquitoes	Ant
American cockroach	Tick and fleas
	Stray animals
	Dangerous pests
In case if any of occasional pests occurred frequently, then it shall be moved under the scheduled services	

6.19.3. Area scope

Area scope

Table 62

Indoor areas (not limited to)	Outdoor area (not limited to)
Offices	Yards and Landscapes
Playgrounds	Water tanks
Waiting areas	Septic tanks
Toilet	Garbage bins
Service rooms (laundry, washing rooms, stores, etc.)	Parking
Kitchens and pantries	Drainage system manholes
Employees resting areas	Storm waterline (storm water manholes)
Food courts	Storage and warehouses
	Utility rooms (electrical rooms, pump room)
All entities inside the malls shall be included in the service as per their types in this guideline such as hospitals, gyms, restaurants	

6.19.4. Service frequency for scheduled services

Service frequency for scheduled services

Table 63

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Flies	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation flies control shall be carried out on daily basis until become at low level.</p> <p>2- At low level, flies control can be carried out on weekly basis.</p> <p>3- In case of high infestation space treatment is required to be carried out in regular daily basis until lowering the infestation level to low levels.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated flies' management.</p>
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- In case of high infestation rodent control shall be carried out on weekly basis until become at low</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>level.</p> <p>2-At low level, rodent control can be carried out on monthly basis.</p> <p>3-Rodenticides shall be used only for outdoor treatment and indoor treatments shall be limited on using non-chemical methods.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated rodent pests' management</p>
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation mosquitoes control shall be carried out on daily basis until become at low level.</p> <p>2- In case of having high infestation, regular space treatment shall be applied in regular daily basis until lowering the infestation level to low levels.</p> <p>3- At low level, mosquitoes control can be carried out on</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>weekly basis.</p> <p>4- Mosquitoes larvae control shall cover all places where standing water can be found such as storm water manholes, water ponds, water tanks, septic tanks...etc.</p> <p>5- In case when positive breeding sites are detected, those positive sites shall be treated and then followed up on daily basis until eradicating all active immature mosquitoes.</p> <p>For more information about infestation level measurements and indices please refer to Tadweer TG for integrated mosquitoes' management</p>
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- American cockroach control shall mainly focus on sewage system lines or manholes.</p> <p>2- In case of high infestation of American cockroaches, control treatments shall be carried out on weekly basis until lowering the infestation to low level.</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	3- For more information about cockroaches' management please refer to Tadweer TG for integrated cockroaches' management.

Service provider shall survey and inspect all indoor and outdoor areas in each visit searching for any infestation signs for all pests

6.19.5. Service frequency for unscheduled services

Service frequency for unscheduled services (on demand)

Table 64

Pest	Area	Response time	Follow up frequency	Remarks
Flies, rodent, mosquitoes, American cockroach	Outdoor / indoor	24 hours	As per Tadweer TG follow up requirements	Please refer to Tadweer TG's
Cockroaches, ant, bed bug, tick, and fleas	Outdoor / indoor	24 hours	As per Tadweer TG follow up requirements	Please refer to Tadweer TG's
Dangerous pests	Outdoor / indoor	2 hours	Daily	Dangerous pest shall be responded within two hours and the follow up shall be carried out immediately. Service control team shall ensure occupants safety before leaving the workplace.
Stray animal	Outdoor	24 hours	Daily	Stray animals impounding depends on trapping the feral animals; thus, its required time is not determined. However, service provide shall respond by installing the required traps within 24 hours. Stray animal impounding shall

Pest	Area	Response time	Follow up frequency	Remarks
Stray animal	Outdoor	24 hours	Daily	be done by service provider who has Tadweer permit for stray animal impounding. otherwise, the service shall be outsourced.

This standard aims to explain the required service frequency and scope only. Management methods, standards, instructions, tools and equipment specifications, safety instructions are mentioned in detail in Tadweer TG's for integrated management. When applying any treatment, service providers shall follow Tadweer TG's including

- 1 - Integrated flies management
- 2 - Integrated mosquitoes management
- 3 - Integrated cockroaches management
- 4 - Integrated rodent pests management.
- 5 - Integrated ant management
- 6 - Integrated bed bug management
- 7 - Integrated termite management
- 8 - Integrated tick and fleas management
- 9 - Dangerous pest management
- 10- Responsible use of pesticides



Pest Control Scope and Specifications

Leisure, Sport, and Entertainment Facilities

6.20. Chapter 16: Leisure, Sport, and Entertainment Facilities

6.20.1. Introduction

In Leisure, sport, and entertainment facilities public health pest control is very important mainly due to the risk of disease transmission and the large number of occupants and visitors. Leisure, sport, and entertainment facilities include (but not limited to):

- 1- Gyms
- 2- Theme parks
- 3- Spa centers
- 4- Amusement parks
- 5- Golf clubs
- 6- Sport clubs
- 7- Playgrounds and fields

6.20.2. Pests scope

The most common pests in leisure, sport, and entertainment facilities are listed under scheduled services, other pests that expected to occur occasionally are listed under unscheduled services.

Pests scope for scheduled and unscheduled services

Table 65

Scheduled services (most common pests)	Unscheduled services (occasional pests)
Rodent pests	Cockroaches
Flies	Bed bug
Mosquitoes	Ant
American cockroach	Tick and fleas
	Stray animals
	Dangerous pests
In case if any of occasional pests occurred frequently, then it shall be moved under the scheduled services	

6.20.3. Area scope

Area scope

Table 66

Indoor areas (not limited to)	Outdoor area (not limited to)
Offices	Yards and Landscapes
Playgrounds	Water tanks
Waiting areas	Septic tanks
Toilet	Garbage bins
Service rooms (laundry, washing rooms, stores,etc.)	Parking
Kitchens and pantries	Drainage system manholes
Employees resting areas	Storm waterline (storm water manholes)
Food courts	Storage and warehouses
	Utility rooms (electrical rooms, pump room)

6.20.4. Service frequency for scheduled services

Service frequency for scheduled services

Table 67

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Flies	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation flies control shall be carried out on daily basis until become at low level.</p> <p>2- At low level, flies control can be carried out on weekly basis.</p> <p>3- In case of high infestation space treatment is required to be carried out in regular daily basis until lowering the infestation level to low levels.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated flies' management.</p>
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- In case of high infestation rodent control shall be carried out on weekly basis until become at low</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>level.</p> <p>2-At low level, rodent control can be carried out on monthly basis.</p> <p>3-Rodenticides shall be used only for outdoor treatment and indoor treatments shall be limited on using non-chemical methods.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated rodent pests' management</p>
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation mosquitoes control shall be carried out on daily basis until become at low level.</p> <p>2- In case of having high infestation, regular space treatment shall be applied in regular daily basis until lowering the infestation level to low levels.</p> <p>3- At low level, mosquitoes control can be carried out on</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>weekly basis.</p> <p>4- Mosquitoes larvae control shall cover all places where standing water can be found such as storm water manholes, water ponds, water tanks, septic tanks...etc.</p> <p>5- In case when positive breeding sites are detected, those positive sites shall be treated and then followed up on daily basis until eradicating all active immature mosquitoes.</p> <p>For more information about infestation level measurements and indices please refer to Tadweer TG for integrated mosquitoes' management</p>
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- American cockroach control shall mainly focus on sewage system lines or manholes.</p> <p>2- In case of high infestation of American cockroaches, control treatments shall be carried out on weekly basis until lowering the infestation to low level.</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	3- For more information about cockroaches' management please refer to Tadweer TG for integrated cockroaches' management.

Service provider shall survey and inspect all indoor and outdoor areas in each visit searching for any infestation signs for all pests

6.20.5. Service frequency for unscheduled services

Service frequency for unscheduled services (on demand)

Table 68

Pest	Area	Response time	Follow up frequency	Remarks
Flies, rodent, mosquitoes, American cockroach	Outdoor / indoor	24 hours	As per the Tadweer TG	As per follow up requirements in Tadweer TG's
Cockroaches, ant, bed bug, tick, and fleas	Outdoor / indoor	24 hours	As per the Tadweer TG	As per follow up requirements in Tadweer TG's
Dangerous pests	Outdoor / indoor	2 hours	Daily	Dangerous pest shall be responded within two hours and the follow up shall be carried out immediately. Service control team shall ensure occupants safety before leaving the workplace.
Stray animal	Outdoor	24 hours	Daily	Stray animals impounding depends on trapping the feral animals; thus, its required time is not determined. However, service provide shall respond by installing the required traps within 24

Pest	Area	Response time	Follow up frequency	Remarks
Stray animal	Outdoor	24 hours	Daily	hours. Stray animal impounding shall be done by be done by service provider who has Tadweer permit for stray animal impounding. otherwise, the service shall be outsourced.

This standard aims to explain the required service frequency and scope only. Management methods, standards, instructions, tools and equipment specifications, safety instructions are mentioned in detail in Tadweer TG's for integrated management. When applying any treatment, service providers shall follow Tadweer TG's including

- 1 - Integrated flies management
- 2 - Integrated mosquitoes management
- 3 - Integrated cockroaches management
- 4 - Integrated rodent pests management.
- 5 - Integrated ant management
- 6 - Integrated bed bug management
- 7 - Integrated termite management
- 8 - Integrated tick and fleas management
- 9 - Dangerous pest management
- 10- Responsible use of pesticides



Pest Control Scope and Specifications

Hotels

6.21. Chapter 17: Hotels

6.21.1. Introduction

In hotels public health pest control is very important mainly due to the risk of disease transmission, large number of occupants and visitors. Hotels include (but not limited to)

- 1- Hotels
- 2- Hotel apartments
- 3- Resorts

6.21.2. Pests scope

The most common pests in hotels are listed under scheduled services, other pests that expected to occur occasionally are listed under unscheduled services.

Pests scope for scheduled and unscheduled services

Table 69

Scheduled services (most common pests)	Unscheduled services (occasional pests)
Rodent pests	Cockroaches
Flies	Tick and fleas
Mosquitoes	Stray animals
American cockroach	Dangerous pests
German cockroach	Ant
Bed bug	
In case if any of occasional pests occurred frequently, then it shall be moved under the scheduled services	

6.21.3. Area scope

Area scope

Table 70

Indoor areas (not limited to)	Outdoor area (not limited to)
Bedrooms	Yards and Landscapes
Restaurants and dining areas	Water tanks
Kitchens and pantries	Septic tanks
Toilet	Garbage bins
Food storage areas and rooms	Parking
Service rooms (laundry, washing rooms, stores, etc.)	Drainage system manholes
Gyms	Storm waterline (storm water manholes)
Barbershops	Storage and warehouses
Waiting and resting areas	Utility rooms (electrical rooms, pump room)

6.21.4. Service frequency for scheduled services

Service frequency for scheduled services

Table 71

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Flies	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation flies control shall be carried out on daily basis until become at low level.</p> <p>2- At low level, flies control can be carried out on weekly basis.</p> <p>3- In case of high infestation space treatment is required to be carried out in regular daily basis until lowering the infestation level to low levels.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated flies' management.</p>
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- In case of high infestation rodent control shall be carried out on weekly basis until become at low</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>level.</p> <p>2- At low level, rodent control can be carried out on monthly basis.</p> <p>3- Rodenticides shall be used only for outdoor treatment and indoor treatments shall be limited on using non-chemical methods.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated rodent pests' management</p>
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation mosquitoes control shall be carried out on daily basis until become at low level.</p> <p>2- In case of having high infestation, regular space treatment shall be applied in regular daily basis until lowering the infestation level to low levels.</p> <p>3- At low level, mosquitoes control can be carried out on</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>weekly basis.</p> <p>4- Mosquitoes larvae control shall cover all places where standing water can be found such as storm water manholes, water ponds, water tanks, septic tanks...etc.</p> <p>5- In case when positive breeding sites are detected, those positive sites shall be treated and then followed up on daily basis until eradicating all active immature mosquitoes.</p> <p>For more information about infestation level measurements and indices please refer to Tadweer TG for integrated mosquitoes' management</p>
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- American cockroach control shall mainly focus on sewage system lines or manholes.</p> <p>2- In case of high infestation of American cockroaches, control treatments shall be carried out on weekly basis until lowering the infestation to low level.</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	3- For more information about cockroaches' management please refer to Tadweer TG for integrated cockroaches' management.
German cockroach	Indoor	Monthly	14 days	Weekly	<p>1- In normal situations when German cockroach infestation is not detected yet, regular inspection is required to be conducted on monthly basis.</p> <p>2- In case German cockroach infestation detected, it shall be treated and followed up every 14 days until complete eradication.</p> <p>3- In case of high infestation follow up shall be carried out regularly on weekly basis</p> <p>For more information about German cockroach management, please refer to Tadweer TG for integrated German cockroach management</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Bed bug	Indoor	Monthly	14 days	Weekly	<p>1- In normal situations when bed bug infestation is not detected yet, regular inspection is required to be conducted every month.</p> <p>2- In case infestation detected, it shall be treated and followed up every 14 days until complete eradication.</p> <p>3- In case of high infestation, follow up shall be carried out regularly every week until complete eradicating of the infestation.</p> <p>For more information about bed bug management, please refer to Tadweer TG for integrated bed bug management.</p>

Service provider shall survey and inspect all indoor and outdoor areas in each visit searching for any infestation signs for all pests

6.21.5. Service frequency for unscheduled services

Service frequency for unscheduled services (on demand)

Table 72

Pest	Area	Response time	Follow up frequency	Remarks
Flies, rodent, mosquitoes, American cockroach	Outdoor / indoor	24 hours	As per the Tadweer TG	Please refer to Tadweer TG's
Cockroaches, ant, bed bug, tick, and fleas	Outdoor / indoor	24 hours	As per the Tadweer TG	Please refer to Tadweer TG's
Dangerous pests	Outdoor / indoor	2 hours	Daily	Dangerous pest shall be responded within two hours and the follow up shall be carried out immediately. Service control team shall ensure occupants safety before leaving the workplace.
Stray animal	Outdoor	24 hours	Daily	Stray animals impounding depends on trapping the feral animals; thus, its required time is not determined. However, service provide shall respond by installing the required traps within 24

Pest	Area	Response time	Follow up frequency	Remarks
Stray animal	Outdoor	24 hours	Daily	hours. Stray animal impounding shall be done by be done by service provider who has Tadweer permit for stray animal impounding. otherwise, the service shall be outsourced.

This standard aims to explain the required service frequency and scope only. Management methods, standards, instructions, tools and equipment specifications, safety instructions are mentioned in detail in Tadweer TG's for integrated management. When applying any treatment, service providers shall follow Tadweer TG's including

- 1 - Integrated flies management
- 2 - Integrated mosquitoes management
- 3 - Integrated cockroaches management
- 4 - Integrated rodent pests management.
- 5 - Integrated ant management
- 6 - Integrated bed bug management
- 7 - Integrated termite management
- 8 - Integrated tick and fleas management
- 9 - Dangerous pest management
- 10- Responsible use of pesticides



Pest Control Scope and Specifications

Industrial Workshops

6.22. Chapter 18: Industrial Workshops

6.22.1. Introduction

In Industrial workshops public health pest control is very important mainly due to the risk of disease transmission and the redundancy of conducive factors. Industrial workshops entities include (but not limited to):

- 1- Carpentry workshops
- 2- Steel, smith, and welding workshops
- 3- Vehicles maintenance and service workshops
- 4- Industrial factories
- 5- Brick and concrete factories

6.22.2. Pests scope

The most common pests in industrial workshops include are listed under scheduled services, other pests that expected to occur occasionally are listed under unscheduled services.

Pests scope for scheduled and unscheduled services

Table 73

Scheduled services (most common pests)	Unscheduled services (occasional pests)
Rodent pests	Cockroaches
Flies	Stray animals
Mosquitoes	Dangerous pests
American cockroach	Bed bug
	Ant
	Tick and fleas
In case if any of occasional pests occurred frequently, then it shall be moved under the scheduled services	

6.22.3. Area scope

Area scope

Table 74

Indoor areas (not limited to)	Outdoor area (not limited to)
Offices	Yards and Landscapes
Workshop rooms	Water tanks
Machinery rooms	Septic tanks
Toilet	Garbage bins
Kitchens and pantries	Parking areas
Service rooms (laundry, washing rooms, stores, etc.)	Drainage system manholes
Employees resting areas	Storm waterline (storm water manholes)
Storerooms	Storage and warehouses
	Utility rooms (electrical rooms, pump room)

6.22.4. Service frequency for scheduled services

Service frequency for scheduled services

Table 75

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Flies	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation flies control shall be carried out on daily basis until become at low level.</p> <p>2- At low level, flies control can be carried out on weekly basis.</p> <p>3- In case of high infestation space treatment is required to be carried out in regular daily basis until lowering the infestation level to low levels.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated flies' management.</p>
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- In case of high infestation rodent control shall be carried out on weekly basis until become at low</p>

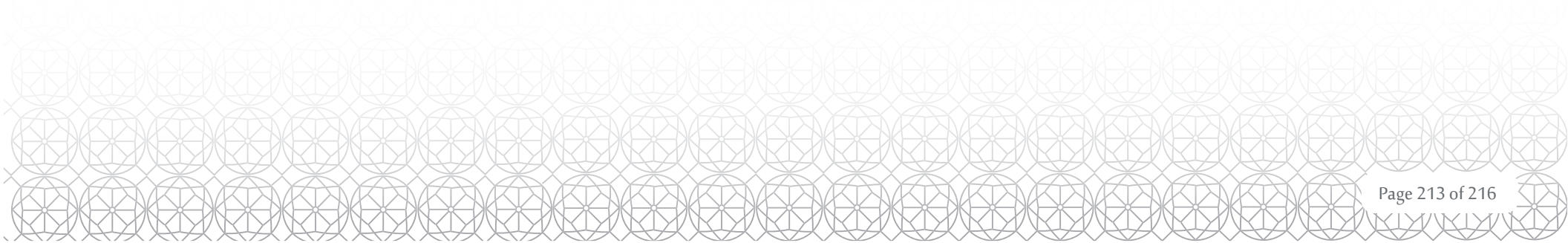
Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Rodent pests	Outdoor / indoor	Monthly	Monthly	Weekly	<p>level.</p> <p>2-At low level, rodent control can be carried out on monthly basis.</p> <p>3-Rodenticides shall be used only for outdoor treatment and indoor treatments shall be limited on using non-chemical methods.</p> <p>For more information about control methods, infestation level measurements and indices please refer to Tadweer TG for integrated rodent pests' management</p>
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>1- In case of high infestation mosquitoes control shall be carried out on daily basis until become at low level.</p> <p>2- In case of having high infestation, regular space treatment shall be applied in regular daily basis until lowering the infestation level to low levels.</p> <p>3- At low level, mosquitoes control can be carried out on</p>

Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
Mosquitoes	Outdoor / indoor	14 days	Weekly	Daily	<p>weekly basis.</p> <p>4- Mosquitoes larvae control shall cover all places where standing water can be found such as storm water manholes, water ponds, water tanks, septic tanks...etc.</p> <p>5- In case when positive breeding sites are detected, those positive sites shall be treated and then followed up on daily basis until eradicating all active immature mosquitoes.</p> <p>For more information about infestation level measurements and indices please refer to Tadweer TG for integrated mosquitoes' management</p>
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	<p>1- American cockroach control shall mainly focus on sewage system lines or manholes.</p> <p>2- In case of high infestation of American cockroaches, control treatments shall be carried out on weekly basis until lowering the infestation to low level.</p>



Pest	Area	Minimum frequency	Optimum frequency	Maximum frequency	Remarks
American cockroach	Outdoor / indoor	Monthly	Monthly	Weekly	3- For more information about cockroaches' management please refer to Tadweer TG for integrated cockroaches' management.

Service provider shall survey and inspect all indoor and outdoor areas in each visit searching for any infestation signs for all pests



6.22.5. Service frequency for unscheduled services

Service frequency for unscheduled services (on demand)

Table 76

Pest	Area	Response time	Follow up frequency	Remarks
Flies, rodent, mosquitoes, American cockroach	Outdoor / indoor	24 hours	As per the Tadweer TG	Please refer to Tadweer TG's
Cockroaches, ant, bed bug, tick, and fleas	Outdoor / indoor	24 hours	As per the Tadweer TG	Please refer to Tadweer TG's
Dangerous pests	Outdoor / indoor	2 hours	Daily	Dangerous pest shall be responded within two hours and the follow up shall be carried out immediately. Service control team shall ensure occupants safety before leaving the workplace.
Stray animal	Outdoor	24 hours	Daily	Stray animals impounding depends on trapping the feral animals; thus, its required time is not determined. However, service provide shall respond by installing the required traps within 24

Pest	Area	Response time	Follow up frequency	Remarks
Stray animal	Outdoor	24 hours	Daily	hours. Stray animal impounding shall be done by be done by service provider who has Tadweer permit for stray animal impounding. otherwise, the service shall be outsourced.

This standard aims to explain the required service frequency and scope only. Management methods, standards, instructions, tools and equipment specifications, safety instructions are mentioned in detail in Tadweer TG's for integrated management. When applying any treatment, service providers shall follow Tadweer TG's including

- 1 - Integrated flies management
- 2 - Integrated mosquitoes management
- 3 - Integrated cockroaches management
- 4 - Integrated rodent pests management.
- 5 - Integrated ant management
- 6 - Integrated bed bug management
- 7 - Integrated termite management
- 8 - Integrated tick and fleas management
- 9 - Dangerous pest management
- 10- Responsible use of pesticides



7. References

- DMT circular No.2. for the year 2020 regarding waste management and public health pest control
- Tadweer guidelines for integrated rodent management 2020
- Tadweer guidelines for integrated mosquitoes management 2020
- Tadweer guidelines for integrated flies management 2020
- Tadweer guidelines for integrated cockroach management 2020
- Tadweer guidelines for integrated bed bug management 2020
- Tadweer guidelines for integrated ant management 2020
- Tadweer guidelines for integrated dangerous pest management 2020
- Tadweer guidelines for integrated tick and fleas management 2020
- Tadweer guidelines for responsible use of pesticides 2020

