# ACTAtek SOAP API Manual

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ACTAtek Pte Ltd





# **Revision History**

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1.17	2009/07/16	Add new API getUserCount and getUserBatch	Rodel
1.18	2010/02/11	Updated WSDL URL	Justin





# **ACTAtek SOAP API Manual**

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# Offices:

## Asia and the Rest of the World:

Unit 901-2, 9/F, Fo Tan Industrial Centre,

26-28 Au Pui Wan Street, Fotan, Shatin, Hong Kong.

Tel: (852) 2319 1333 Fax: (852) 2776 8997

Email: sales-row@hectrix.com

#### America:

13372 Newport Ave suite A,

Tustin, CA 92780, USA.

Phone: (714) 505 0433

Fax: (714) 544 5077

E-mail: sales-US@hectrix.com

#### **Europe:**

351 Pershore Road.

Edgbaston, Birmingham. B5 7RY.U.K.

Phone (44) 121 472 3991 Fax: (44) 121 472 3990

E-mail: sales-EU@hectrix.com

#### Singapore:

18, Boon Lay Way, #09-96/97/98

Tradehub 21,

Singapore 609966

Tel: (65) 6515-4520 Fax: (65) 6515-4521

Email: sales-asean@actatek.com





# **Table of Contents**

1.1.Prerequisite
1.3.SOAP
1.4.Web Service Definition Language (WSDL)1 Chapter 2.SOAP API Reference2
Chapter 2.SOAP API Reference2
2.1.Datatype Definition2
2.1.1.Status2
2.1.2.Fingerprint2
2.1.3.FingerprintArray3
2.1.4.Department3
2.1.5.DepartmentArray3
2.1.6.Weekday3
2.1.7.Timespec3
2.1.8.AccessRight4
2.1.9.Group4
2.1.10.GroupArray4
2.1.11.AdminLevel4
2.1.12.FingerprintSecurityLevel5
2.1.13.User5
2.1.14.UserArray5
2.1.15.userID6
2.1.16.UserIDArray6
2.1.17.TriggerType6
2.1.18.Trigger6
2.1.19.TriggerArray6
2.1.20.eventType7
2.1.21.Log8
2.1.22.LogArray8
2.1.23.LogDetail8
2.1.24.LogDetailArray8
2.1.25.getLogsCriteria9



2.1.26.getUsersCriteria	9
2.1.27.getGroupsCriteria	9
2.1.28.getTriggersCriteria	9
2.1.29.Agent	10
2.1.30.AgentArrary	10
2.1.31.TerminalStatus	10
2.1.32.Terminal	11
2.1.33.TerminalArray	11
2.1.34.AutoInOutOption	11
2.1.35.RelayID	11
2.1.36.RelayOption	12
2.1.37.JobCodeSettings	12
2.1.38.JobCodeSettingsArray	12
2.1.39.JobCode	13
2.1.40.JobCodeArray	13
2.2.SOAP API	14
2.2.1.Session Establishment	14
2.2.2.Log Management	15
2.2.3.User Management	19
2.2.4.Department Management	30
2.2.5.Access Group Management	33
2.2.6.Trigger Maintenance Functions	36
2.2.7.Personal Functions	39
2.2.8.Agent	40
2.2.9.Time Settings	42
2.2.10.Misc Functions	48
2.2.11.Terminal Settings	52
2.2.12.Job Code	60
Chapter 3.Creating C Application	66
3.1.Requirements	66
3.2.Example	66
Chapter 4.Creating Visual Basic Application	69
4.1.Requirements	69



4.2.Example	69
Chapter 5.Creating .NET Application	
5.1.Requirements	71
5.2.Example	
Chapter 6.Creating JAVA Application	74
6.1.Requirements	74
6.2.Example	74
Chapter 7.Using SOAP API with SSL	76
7.1.Requirements	76
7.2.Example	76
Chapter 8. Correspondence between Time Zone Names and Time Zone IDs	80



# **Chapter 1. Introduction**

# 1.1. Prerequisite

This document is intended for software engineers who have basic knowledge in programming, XML and TCP/IP network.

## 1.2. Coverage

This document will cover ACTAtek SOAP API functions provided by ACTAtek, and a brief description on WebService Proxy generation in different languages.

#### 1.3. SOAP

SOAP provides a XML based infrastructure for exchanging structured and typed information between peers in a decentralized, distributed environment.

# 1.4. Web Service Definition Language (WSDL)

WSDL, in general, is an XML file describing the details of how to call the Web Service it provides. In ACTAtek, the WSDL file can be accessed through the following URL: http://<deviceIP>/soap/document/ACTAtek.wsdl



# Chapter 2. SOAP API Reference

Due to language independency of SOAP WebServices, the calling syntax would depend on the actual language for client implementation. Without loss of generosity, we would describe the API in terms of the function name, parameter name, parameter type, return parameter name, return type. In case of fault, the fault string will describe the what the actual problem is. For the exact definition, please refer the actual WSDL file.

#### General Flow of Operation

When you access any function, you need to give a session ID. The session ID can be obtained through the login function. You can execute multiple functions using the same session ID. The session ID would represent the login user during the execution process. When you finish using the service, you have to logout the session by giving the session ID for system cleanup, although, the system can expire the unused session ID for 30 minutes by default.

## 2.1. Datatype Definition

#### 2.1.1. Status

Element	Туре	Description
active	xsd:boolean	
autoMatch	xsd:boolean	
smartCard	xsd:boolean	
fingerprint	xsd:boolean	
password	xsd:boolean	

**Table 1.Status Data Type Definition** 

## 2.1.2. Fingerprint

Element	Туре	Description
image	xsd:base64Binary	Fingerprint template

**Table 2.Fingerprint Data Type Definition** 



# 2.1.3. FingerprintArray

Element	Туре	Description
fingerprint	ns:fingerprint	Array of fingerprint templates

**Table 3.FingerprintArrary Data Type Definition** 

# 2.1.4. Department

Element	Туре	Description
departmentID	xsd:int	
departmentName	xsd:string	
departmentDescription	xsd:string	

**Table 4.Department Data Type Definition** 

# 2.1.5. DepartmentArray

Element	Туре	Description
department	ns:Department	

**Table 5.DepartmentArray Data Type Definition** 

# 2.1.6. Weekday

Element	Туре	Description
Weekday	enum	
	{	
	SUNDAY, MONDAY,	
	TUESDAY, WEDNESDAY,	
	THURSDAY, FRIDAY,	
	SATURDAY, HOLIDAY	
	}	

**Table 6.Weekday Data Type Definition** 

# 2.1.7. Timespec

Element	Туре	Description
weekday	xsd:Weekday[]	
timePattern	xsd:string	

#### **Table 7.Timespec Data Type Definition**

Element: timePattern (string) (48-byte strings of '0'(off) and/or '1'(on))

Remark: First byte representing timeslot [00:00-00:29], 2nd byte [00:30-00:59] etc.



# 2.1.8. AccessRight

Element	Туре	Description
accessID	xsd:int	
terminalSN	xsd:string	
quickAccess	xsd:boolean	
timeSpec	ns:Timespec	

## **Table 8.AccessRight Data Type Definition**

# 2.1.9. Group

Element	Туре	Description
groupID	xsd:int	
groupName	xsd:string	
departmentID	xsd:int	
accessRight	ns:AccessRight	

# **Table 9.Group Data Type Definition**

# 2.1.10. GroupArray

Element	Туре	Description
group	ns:Group	

# **Table 10.GroupArray Data Type Definition**

# 2.1.11. AdminLevel

Element	Туре	Description
AdminLevel	xsd:enum	
	{	
	PERSONALUSER,	
	NETWORKADMIN,	
	USERADMIN,	
	SUPERADMIN	
	}	

**Table 11.AdminLevel Data Type Definition** 





# 2.1.12. FingerprintSecurityLevel

Element	Туре	Description
FingerprintSecurityLevel	xsd:enum	
	{	
	LOW, NORMAL,	
	HIGH, HIGHEST	
	}	

Table 12.FingerprintSecurityLevel Data Type Definition

# 2.1.13. User

Element	Туре	Description
userID	xsd:string	User ID
lastName	xsd:string	Last name
firstName	xsd:string	First name
otherName	xsd:string	Other name
usePassword	xsd:boolean	Enable password verification
password	xsd:string	Password for login and
		verification
adminLevel	xsd:AdminLevel	Administration level
groupID	xsd:int[]	Access Group ID
departmentID	xsd:int[]	Department ID
fingerprintSecurityLevel	xsd:FingerprintSecurityLevel	Fingerprint security level
status	xsd:Status	
fingerprints	xsd:Fingerprint[]	Array of fingerprint template
cardsn	xsd:string	Smartcard serial number
fpgroupid	xsd:int	FP group id max value of 255

**Table 13.User Data Type Definition** 

# 2.1.14. UserArray

Element	Туре	Description
user	ns:User	

**Table 14.UserArray Data Type Definition** 



# 2.1.15. userID

Element	Туре	Description
userID	xsd:string	User ID

# **Table 15.userID Data Type Definition**

# 2.1.16. UserIDArray

Element	Туре	Description
uids	ns:userID	

#### **Table 16.UserIDArray Data Type Definition**

# 2.1.17. TriggerType

Element	Туре	Description
triggerType	xsd:enum	
	{	
	_UNKNOWN,	
	_IN, _OUT,	
	_F1, _F2, _F3, _F4, _F5,	
	_F6, _F7, _F8, _F9, _F10	
	}	

# **Table 17.TriggerType Data Type Definition**

# 2.1.18. Trigger

Element	Туре	Description
triggerType	xsd:triggerType	
triggerName	xsd:string	
timeSpec	xsd:Timespec	

**Table 18. Trigger Data Type Definition** 

# 2.1.19. TriggerArray

Element	Туре	Description
trigger	ns:Trigger	

**Table 19.TriggerArray Data Type Definition** 





# 2.1.20. eventType

Element	Туре	Description
eventType	enum:	
	{	
	UNKNOWN,	
	IN, OUT,	
	F1, F2, F3, F4, F5, F6, F7,	
	F8, F9, F10,	
	ID_UNKNOWN, REJECTED,	
	ID_RESERVED,	
	RESET_ALL,	
	RESET_ACC,	
	RESET_DEVICE,	
	RESET_PASSWORD,	
	RESET_DEFAULT,	
	SYSTEM_LOGIN,	
	ADMIN_LOGIN,	
	USER_LOGIN,	
	NETWORK_CHANGE,	
	PATCHED, BACKUP_DB,	
	RESTORE_DB,	
	SYSTEM_RSVD,	
	ENROLL_USER,	
	UPDATE_USER,	
	REMOVE_USER,	
	SUSPEND_USER,	
	EDIT_EVENT,	
	RESET_ADMIN_PW,	
	ADMIN_RSVD	
	}	

Table 20.eventType Data Type Definition



# 2.1.21. Log

Element	Туре	Description
logID	xsd:long	
userID	xsd:string	
timestamp	xsd:dateTime	
trigger	xsd:eventType	
terminalSN	xsd:string	

# **Table 21.Log Data Type Definition**

# 2.1.22. LogArray

Element	Туре	Description
log	ns:Log	

Table 22.LogArray Data Type Definition

# 2.1.23. LogDetail

Description
[first name] [last name]

Table 23.LogDetail Data Type Definition

# 2.1.24. LogDetailArray

Element	Туре	Description
log	ns:LogDetail	

Table 24.LogDetailArray Data Type Definition



# 2.1.25. getLogsCriteria

Element	Туре	Description
from	xsd:dateTime	
to	xsd:dateTime	
employeeName	xsd:string	
employeeID	xsd:string	
departmentID	xsd:int	
trigger	xsd:eventType	
terminalSN	xsd:string	

## Table 25.getLogsCriteria Data Type Definition

# 2.1.26. getUsersCriteria

Element	Туре	Description
userID	xsd:string	
partialUserID	xsd:string	
lastName	xsd:string	
firstName	xsd:string	
otherName	xsd:string	
departmentID	xsd:int	

## Table 26.getUsersCriteria Data Type Definition

# 2.1.27. getGroupsCriteria

<u>Element</u>	<u>Type</u>	<u>Description</u>
<u>groupID</u>	xsd:int	
departmentID	xsd:int	

# Table 27.getGroupsCriteria Data Type Definition

# 2.1.28. getTriggersCriteria

Element	Туре	Description
triggerType	ns:triggerType	

## Table 28.getTriggersCriteria Data Type Definition



# 2.1.29. Agent

Element	Туре	Description
port	xsd:int	
ip	xsd:string	
registrationTime	xsd:dateTime	
lastUpdate	xsd:dateTime	
lastCheck	xsd:dateTime	
lastCheckStatus	xsd:boolean	
active	xsd:boolean	
link	xsd:string	

## **Table 29.Agent Data Type Definition**

# 2.1.30. AgentArrary

Element	Туре	Description
agents	ns:Agent	

# **Table 30.AgentArray Data Type Definition**

# 2.1.31. TerminalStatus

Element	Туре	Description
modelNumber	xsd:string	
serialNumber	xsd:string	
firmwareVersion	xsd:string	
FAMVersion	xsd:string	
description	xsd:string	
registeredUsers	xsd:int	
maximumUsers	xsd:int	
automatchUsers	xsd:int	
maximumAutomatchUsers	xsd:int	

**Table 31.TerminalStatus Data Type Definition** 



## 2.1.32. Terminal

Element	Туре	Description
terminaIID	xsd:int	
terminalType	xsd:string	
terminalName	xsd:string	
terminalSN	xsd:string	
terminalIP	xsd:string	

## **Table 32.Terminal Data Type Definition**

# 2.1.33. TerminalArray

Element	Туре	Description
terminal	ns:Terminal	
size	int	

## **Table 33.TerminalArray Data Type Definition**

# 2.1.34. AutoInOutOption

Element	Туре	Description
AutoInOutOption	enum: {	
	DISABLE,	
	ENABLE,	
	SPECIAL,	
	REJECTREPEATEDLOGIN	
	}	

# Table 34.AutoInOutOption Data Type Definition

# 2.1.35. RelayID

Element	Туре	Description
RelayID	enum: {	
	ONE,	
	TWO,	
	ALL	
	}	

# **Table 35.RelayID Data Type Definition**





# 2.1.36. RelayOption

Element	Туре	Description
RelayOption	enum: {	Relay One only
	RELAY-DISABLE,	able to set
	ACCESS-GRANTED,	RELAY-DISABLE
	ACCESS-DENIED,	or
	DOORBELL,	ACCESS-GRANTED
	BELLSCHEDULE	
	}	

**Table 36.RelayOption Data Type Definition** 

# 2.1.37. JobCodeSettings

Element	Туре	Description
jobcode	xsd : int	
jobcodeName	xsd : string	Name or Description
enable	xsd : int	

Table 37.JobCodeSettings Data Type Definition

# 2.1.38. JobCodeSettingsArray

Element	Туре	Description
ptrjobcodesettings	ns : JobCodeSettings	Array of
		JobCodeSettings
size	xsd : int	Size of Array

Table 38.JobCodeSettingsArray Data Type Definition





# 2.1.39. JobCode

Element	Туре	Description
JobCodeID	xsd : int	Int value minimum
		value of 1 maximum
		of 999999
JobCodeDescription	xsd : string	Description
enable	xsd : int	Bit 0:
		• 0:IN
		• 1:OUT
		Bit 1:
		0 : Normal
		• 1 : Default
		Bit 2:
		0 : Enabled
		1 : Disabled
jobcode	xsd : int	Jobcode value from
		jobcodesettings

# **Table 39.JobCode Data Type Definition**

# 2.1.40. JobCodeArray

Element	Туре	Description
ptrjobcodes	ns : JobCode	Array of JobCode
size	xsd : string	Size of Array

# Table 40.JobCodeArray Data Type Definition



#### 2.2. SOAP API

#### 2.2.1. Session Establishment

## 2.2.1.1. login

#### 2.2.1.1.1. Arguments

- · username, xsd:string
- password, xsd:string

#### 2.2.1.1.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:login>
<username></username>
<password></password>
</sOAP-ENV:Body>
</SOAP-ENV:Body>
</sOAP-ENV:Envelope>
```

#### 2.2.1.1.3. Return

• sessionID, xsd: long

# 2.2.1.2. logout

#### 2.2.1.2.1. Arguments

• sessionID, xsd:long

#### 2.2.1.2.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"</pre>
```



#### 2.2.1.2.3. Return

• status, xsd: string

## 2.2.2. Log Management

#### 2.2.2.1. getLogs

#### 2.2.2.1.1. Arguments

- sessionID, xsd:long
- getLogsCriteria, xsd:getLogsCriteria

#### 2.2.2.1.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:getLogs>
 <sessionID>0</sessionID>
 <getLogsCriteria>
  <from>2005-08-22T10:25:59Z</from>
  <to>2005-08-22T10:25:59Z</to>
  <employeeName></employeeName>
  <employeeID></employeeID>
  <departmentID>0</departmentID>
  <trigger>UNKNOWN</trigger>
 <terminalSN></terminalSN>
 </getLogsCriteria>
 </ns:getLogs>
```



```
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

#### 2.2.2.1.3. Return

logs, xsd:LogArray[]

## 2.2.2.2. getFullLogs

#### 2.2.2.2.1. Arguments

- sessionID, xsd:long
- getLogsCriteria, xsd:getLogsCriteria

#### 2.2.2.2.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:getFullLogs>
 <sessionID>0</sessionID>
 <getLogsCriteria>
  <from>2006-09-22T09:30:08Z</from>
  <to>2006-09-22T09:30:08Z</to>
  <employeeName></employeeName>
  <employeeID></employeeID>
  <departmentID>0</departmentID>
  <trigger>UNKNOWN</trigger>
  <terminalSN></terminalSN>
 </getLogsCriteria>
 limit>0</limit>
 </ns:getFullLogs>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

#### 2.2.2.2.3. Return

• logs, xsd:LogDetailArray[]



## 2.2.2.3. getLogPhoto

#### 2.2.2.3.1. Arguments

- sessionID, xsd:long
- terminalSN, xsd:string
- timestamp, xsd:dateTime

#### 2.2.2.3.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:getLogPhoto>
<sessionID>0</sessionID>
<terminalSN></terminalSN>
<timestamp></timestamp>
</ns:getLogPhoto>
<SOAP-ENV:Body>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

#### 2.2.2.3.3. Return

• jpegPhoto, xsd:base64Binary

#### 2.2.2.4. addLog

#### 2.2.2.4.1. Arguments

- sessionID, xsd:long
- timestamp, xsd:dateTime
- employeeID, xsd:string
- event, xsd:eventType
- terminalSN, xsd:string

#### 2.2.2.4.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"</pre>
```



```
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:addLog>
<sessionID>0</sessionID>
<timestamp></timestamp>
<employeeID></employeeID>
<event>UNKNOWN</event>
<terminalSN></terminalSN>
</ns:addLog>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

#### 2.2.2.4.3. Return

· status, xsd:string

#### 2.2.2.5. deleteLogs

(since 29.11)

Delete all logs, keeping only those added since *daysToKeep* days from today (00:00:00, local time today).

#### 2.2.2.5.1. Arguments

- sessionID, xsd:long
- daysToKeep, the number of days from today, the logs will not be deleted. It cannot be > 366. Value of 0 will not delete those logs added today. To delete all logs use resetLog

#### 2.2.2.5.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:deleteLogs>
</daysToKeep>0</daysToKeep>
</soAP-ENV:Body>
</soAP-ENV:Body></soap-encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
</soap-encoding-"
complex co
```



#### </SOAP-ENV:Envelope>

#### 2.2.2.5.3. Return

· status, xsd:string

## 2.2.2.6. resetLog

#### 2.2.2.6.1. Arguments

sessionID, xsd:long

#### 2.2.2.6.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:resetLog>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Envelope>
```

#### 2.2.2.6.3. Return

· status, xsd:string

# 2.2.3. User Management

#### 2.2.3.1. addUser

#### 2.2.3.1.1. Arguments

- sessionID, xsd:long
- · user, xsd:User

#### 2.2.3.1.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"</pre>
```





```
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:addUser>
 <sessionID>0</sessionID>
 <user>
  <userID></userID>
  </astName></lastName>
  <firstName></firstName>
  <otherName></otherName>
  <adminLevel>PERSONALUSER</adminLevel>
  <usePassword>false</usePassword>
  <password></password>
  <groupID>0</groupID>
  <departmentID>0</departmentID>
  <fingerprintSecurityLevel>LOW</fingerprintSecurityLevel>
  <status>
  <active>false</active>
  <autoMatch>false</autoMatch>
  <smartCard>false</smartCard>
  <fingerprint>false</fingerprint>
  <password>false</password>
  </status>
  <fingerprints
  <fingerprint>
   <image></image>
  </fingerprint>
  </fingerprints>
  <cardsn></cardsn>
 </user>
 </ns:addUser>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

#### 2.2.3.1.3. Return

· userID, xsd:string



#### 2.2.3.2. addUsers

#### 2.2.3.2.1. Arguments

- sessionID, xsd:long
- users, xsd:UserArray

#### 2.2.3.2.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:addUsers>
 <sessionID>0</sessionID>
 <users>
  <user>
  <userID></userID>
  </astName></lastName>
  <firstName></firstName>
  <otherName></otherName>
  <adminLevel>PERSONALUSER</adminLevel>
  <usePassword>false</usePassword>
  <password></password>
  <groupID>0</groupID>
  <departmentID>0</departmentID>
  <fingerprintSecurityLevel>LOWEST</fingerprintSecurityLevel>
  <status>
   <active>false</active>
   <autoMatch>false</autoMatch>
   <smartCard>false</smartCard>
   <fingerprint>false</fingerprint>
   <password>false</password>
  </status>
  <fingerprints
   <fingerprint>
   <image></image>
```



```
</fingerprint>
</fingerprints>
</cardsn></cardsn>
</user>
</users>
</ns:addUsers>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

#### 2.2.3.2.3. Return

• uids, xsd:UserIDArray

## 2.2.3.3. getUsers

#### 2.2.3.3.1. Arguments

- sessionID, xsd:long
- getUsersCriteria, xsd:getUsersCriteria

#### 2.2.3.3.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:getUsers>
 <sessionID>0</sessionID>
 <getUsersCriteria>
  <userID></userID>
  <partialUserID></partialUserID>
  </astName></lastName>
  <firstName></firstName>
  <otherName></otherName>
  <departmentID>0</departmentID>
 </getUsersCriteria>
 </ns:getUsers>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```



#### 2.2.3.3.3. Return

• users, xsd:UserArray

# 2.2.3.4. updateUser

#### 2.2.3.4.1. Arguments

- sessionID, xsd:long
- userID, xsd:string
- · user, xsd:User

#### 2.2.3.4.2. WSDL

```
<<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:updateUser>
 <sessionID>0</sessionID>
 <userID></userID>
 <user>
  <userID></userID>
  </astName></lastName>
  <firstName></firstName>
  <otherName></otherName>
  <adminLevel>PERSONALUSER</adminLevel>
  <usePassword>false</usePassword>
  <password></password>
  <groupID>0</groupID>
  <departmentID>0</departmentID>
  <fingerprintSecurityLevel>LOW</fingerprintSecurityLevel>
  <status>
  <active>false</active>
  <autoMatch>false</autoMatch>
  <smartCard>false</smartCard>
  <fingerprint>false</fingerprint>
  <password>false</password>
  </status>
  <fingerprints
```



```
<fingerprint>
<image></image>
</fingerprint>
</fingerprints>
<cardsn></cardsn>
</user>
</ns:updateUser>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

#### 2.2.3.4.3. Return

· status, xsd:string

## 2.2.3.5. updateUsers

#### 2.2.3.5.1. Arguments

- sessionID, xsd:long
- uids, xsd:UserIDArray
- users, xsd:UserArray

#### 2.2.3.5.2. WSDL

```
<<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
 <ns:updateUsers>
 <sessionID>0</sessionID>
 <uids>
  <userID>
  <userID></userID>
  </userID>
 </uids>
 <users>
  <user>
  <userID></userID>
  <|astName></lastName>
  <firstName></firstName>
```



```
<otherName></otherName>
  <adminLevel>PERSONALUSER</adminLevel>
  <usePassword>false</usePassword>
  <password></password>
  <groupID>0</groupID>
  <departmentID>0</departmentID>
  <fingerprintSecurityLevel>LOWEST</fingerprintSecurityLevel>
  <status>
   <active>false</active>
   <autoMatch>false</autoMatch>
   <smartCard>false</smartCard>
   <fingerprint>false</fingerprint>
   <password>false</password>
  </status>
  <fingerprints
   <fingerprint>
   <image></image>
   </fingerprint>
  </fingerprints>
  <cardsn></cardsn>
  </user>
 </users>
 </ns:updateUsers>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

#### 2.2.3.5.3. Return

· status, xsd:string

#### 2.2.3.6. deleteUser

#### 2.2.3.6.1. Arguments

- sessionID, xsd:long
- · userID, xsd:string

#### 2.2.3.6.2. WSDL

```
?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```



```
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:deleteUser>
<sessionID>0</sessionID>
<userID></userID>
</ns:deleteUser>
</sOAP-ENV:Body>
</sOAP-ENV:Body>
</sOAP-ENV:Envelope>
```

#### 2.2.3.6.3. Return

· status, xsd:string

#### 2.2.3.7. activateUser

#### 2.2.3.7.1. Arguments

- sessionID, xsd:long
- · userID, xsd:string

#### 2.2.3.7.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:activateUser>
</soaP-ENV:Body>
</ns:activateUser>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Envelope>
```

#### 2.2.3.7.3. Return

· status, xsd:string

#### 2.2.3.8. deactivateUser

#### 2.2.3.8.1. Arguments

• sessionID, xsd:long



userID, xsd:string

#### 2.2.3.8.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:deactivateUser>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Envelope>
```

#### 2.2.3.8.3. Return

· status, xsd:string

## 2.2.3.9. getUserMessage

#### 2.2.3.9.1. Arguments

- sessionID, xsd:long
- · userID, xsd:string

#### 2.2.3.9.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:getUserMessage>
<sessionID>0</sessionID>
</ns:getUserMessage>
</sOAP-ENV:Body>
</sOAP-ENV:Body>
</sOAP-ENV:Envelope></soap-envelope</pre>
```



#### 2.2.3.9.3. Return

• message, xsd:string

## 2.2.3.10. updateUserMessage

#### 2.2.3.10.1. Arguments

- sessionID, xsd:long
- userID, xsd:string
- message, xsd:string

#### 2.2.3.10.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:updateUserMessage>
<sessionID>0</sessionID>
<message></message>
</ns:updateUserMessage>
</sOAP-ENV:Body>
</sOAP-ENV:Body>
</sOAP-ENV:Body>
</sOAP-ENV:Envelope>
```

#### 2.2.3.10.3. Return

• status, xsd:string

#### 2.2.3.11. deleteUserMessage

#### 2.2.3.11.1. Arguments

- sessionID, xsd:long
- · userID, xsd:string

#### 2.2.3.11.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"</pre>
```



```
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:deleteUserMessage>
<sessionID>0</sessionID>
<userID></userID>
</ns:deleteUserMessage>
</sOAP-ENV:Body>
</sOAP-ENV:Body>
</sOAP-ENV:Envelope>
```

#### 2.2.3.11.3. Return

· status, xsd:string

## 2.2.3.12. getUserCount

#### 2.2.3.12.1. Arguments

sessionID, xsd:long

#### 2.2.3.12.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:getUserCount>
</soaP-ENV:Body>
</soaP-ENV:Envelope></soaP-ENV:Envelope></soaP-ENV:Envelope></soaP-ENV:Envelope>
```

#### 2.2.3.12.3. Return

· user count, xsd:int

## 2.2.3.13. getUserBatch

#### 2.2.3.13.1. Arguments

- sessionID, xsd:long
- offset, xsd:int
- · limit, xsd:int



#### 2.2.3.13.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:getUserBatch>
<sessionID>0</sessionID>
<offset>0</offset>
limit>0</limit>
</soap-Env:Body>
</soap-Env:Envelope>
```

#### 2.2.3.13.3. Return

· users, xsd:UserArray

# 2.2.4. Department Management

## 2.2.4.1. addDepartment

#### 2.2.4.1.1. Arguments

- sessionID, xsd:long
- · department, xsd:Department

#### 2.2.4.1.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:addDepartment>
<sessionID>0</sessionID>
<department>
```



```
<departmentID>0</departmentID>
  <departmentName></departmentDescription>
  <departmentDescription></department>
  </department>
  </soaP-Env:Body>
</soap-Env:Envelope>
```

#### 2.2.4.1.3. Return

· departmentID, xsd:int

# 2.2.4.2. updateDepartment

## 2.2.4.2.1. Arguments

- sessionID, xsd:long
- · departmentID, xsd:int
- · department, xsd:Department

### 2.2.4.2.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:updateDepartment>
 <sessionID>0</sessionID>
 <departmentID>0</departmentID>
 <department>
  <departmentID>0</departmentID>
  <departmentName></departmentName>
  <departmentDescription></departmentDescription>
 </department>
 </ns:updateDepartment>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## 2.2.4.2.3. Return

status, xsd:string



# 2.2.4.3. getDepartments

## 2.2.4.3.1. Arguments

- sessionID, xsd:long
- · departmentID, xsd:int

## 2.2.4.3.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:getDepartments>
<sessionID>0</sessionID>
</departmentID>0</departmentID>
</ns:getDepartments>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## 2.2.4.3.3. Return

· departments, xsd:Department[]

## 2.2.4.4. deleteDepartment

### 2.2.4.4.1. Arguments

- sessionID, xsd:long
- · departmentID, xsd:int

#### 2.2.4.4.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
```



```
<ns:deleteDepartment>
<sessionID>0</sessionID>
<departmentID>0</departmentID>
</ns:deleteDepartment>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 2.2.4.4.3. Return

· status, xsd:string

# 2.2.5. Access Group Management

# 2.2.5.1. addGroup

## 2.2.5.1.1. Arguments

- sessionID, xsd:long
- · group, xsd:Group

### 2.2.5.1.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:addGroup>
 <sessionID>0</sessionID>
 <group>
  <groupID>0</groupID>
  <groupName></groupName>
  <departmentID>0</departmentID>
  <accessRight>
  <accessID>0</accessID>
  <terminalSN></terminalSN>
  <quickAccess>false</quickAccess>
  <timeSpec>
   <weekday>SUNDAY</weekday>
   <timePattern></timePattern>
  </timeSpec>
```



```
</accessRight>
</group>
</ns:addGroup>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## 2.2.5.1.3. Return

· groupID, xsd:int

# 2.2.5.2. getGroups

## 2.2.5.2.1. Arguments

- sessionID, xsd:long
- getGroupsCriteria, xsd:getGroups

### 2.2.5.2.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
 <ns:getGroups>
 <sessionID>0</sessionID>
 <getGroupsCriteria>
  <groupID>0</groupID>
  <departmentID>0</departmentID>
 </getGroupsCriteria>
 </ns:getGroups>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 2.2.5.2.3. Return

• groups, xsd:Group[]

# 2.2.5.3. updateGroup

## 2.2.5.3.1. Arguments

- sessionID, xsd:long
- · groupID, xsd:int



• group, xsd:Group

### 2.2.5.3.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
 <ns:updateGroup>
 <sessionID>0</sessionID>
 <groupID>0</groupID>
 <group>
  <groupID>0</groupID>
  <groupName></groupName>
  <departmentID>0</departmentID>
  <accessRight>
  <accessID>0</accessID>
  <terminalSN></terminalSN>
  <quickAccess>false</quickAccess>
  <timeSpec>
   <weekday>SUNDAY</weekday>
   <timePattern></timePattern>
  </timeSpec>
  </accessRight>
 </group>
 </ns:updateGroup>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 2.2.5.3.3. Return

· status, xsd:string

# 2.2.5.4. deleteGroup

## 2.2.5.4.1. Arguments

- sessionID, xsd:long
- · groupID, xsd:int



### 2.2.5.4.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:deleteGroup>
<groupID>0</groupID>
</ns:deleteGroup>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 2.2.5.4.3. Return

status, xsd:string

# 2.2.6. Trigger Maintenance Functions

# 2.2.6.1. getTriggers

## 2.2.6.1.1. Arguments

- · sessionID, xsd:long
- · getTriggersCriteria, xsd:getTriggersCriteria

### 2.2.6.1.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:getTriggers>
<sessionID>0</sessionID>
<getTriggersCriteria>
<triggerType>UNKNOWN</triggerType>
</getTriggersCriteria></getTriggersCriteria></getTriggersCriteria>
```



```
</ns:getTriggers>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 2.2.6.1.3. Return

triggers, xsd:Trigger[]

The trigger name of each trigger in the returned arrays will be prefixed with character "!" to if the trigger is disabled; no change to trigger name if enabled. Client should parse the string to set the trigger enable state accordingly

# 2.2.6.2. updateTrigger

## 2.2.6.2.1. Arguments

- · sessionID, xsd:long
- · trigger, xsd:Trigger

To disable a trigger, prefix the trigger name with character "!"; to enable it, do nothing to the trigger name. For example (in JAVA), to disable trigger "F1" named "Lunch":

### 2.2.6.2.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:updateTrigger>
<sessionID>0</sessionID>
```



```
<trigger>
<triggerType>UNKNOWN</triggerType>
<triggerName></triggerName>
<timeSpec>
<weekday>SUNDAY</weekday>
<timePattern></timePattern>
</timeSpec>
</trigger>
</ns:updateTrigger>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 2.2.6.2.3. Return

· status, xsd:string

# 2.2.6.3. clearTrigger

## 2.2.6.3.1. Arguments

- · sessionID, xsd:long
- · trigger, xsd:Trigger

#### 2.2.6.3.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:clearTrigger>
<sessionID>0</sessionID>
<triggerType>UNKNOWN</triggerType>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Envelope></soaP-ENV:Envelope>
```

#### 2.2.6.3.3. Return

status, xsd:string



## 2.2.7. Personal Functions

## 2.2.7.1. getMyself

## 2.2.7.1.1. Arguments

sessionID, xsd:long

### 2.2.7.1.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope

xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"

xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns:xsd="http://www.w3.org/2001/XMLSchema"

xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:getMyself>
</soap-essionID>0</sessionID>
</soap-encoding/"

xmlns:xsi="http://www.w3.org/2001/XMLSchema"

xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
</soap-encoding/"

xmlns:xsi="http://www.w3.org/2001/XMLSchema"

xmlns:xsd="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
</soap-encoding="UTF-8"?>
</soap-encoding="UTF-8"?
</soap-encoding="UTF-8
```

### 2.2.7.1.3. Return

• user, xsd:user

## 2.2.7.2. updateMyself

## 2.2.7.2.1. Arguments

- sessionID, xsd:long
- · user, xsd:User

### 2.2.7.2.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:updateMyself>
<sessionID>0</sessionID>
```



```
<user>
  <userID></userID>
  </astName></lastName>
  <firstName></firstName>
  <otherName></otherName>
  <adminLevel>PERSONALUSER</adminLevel>
  <usePassword>false</usePassword>
  <password></password>
  <groupID>0</groupID>
  <departmentID>0</departmentID>
  <fingerprintSecurityLevel>LOW</fingerprintSecurityLevel>
  <status>
  <active>false</active>
  <autoMatch>false</autoMatch>
  <smartCard>false</smartCard>
  <fingerprint>false</fingerprint>
  <password>false</password>
  </status>
  <fingerprints
  <fingerprint>
   <image></image>
  </fingerprint>
  </fingerprints>
  <cardsn></cardsn>
 </user>
</ns:updateMyself>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 2.2.7.2.3. Return

· status, xsd:string

# 2.2.8. Agent

# 2.2.8.1. registerAgent

## 2.2.8.1.1. Arguments

- sessionID, xsd:long
- ip, xsd:string
- port, xsd:int
- agentVersion, xsd:string



- · magic, xsd:string
- · registrationID, xsd:int
- · initSync, xsd:boolean

## 2.2.8.1.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:registerAgent>
 <sessionID>0</sessionID>
 <ip></ip>
 <port>0</port>
 <agentVersion></agentVersion>
 <magic></magic>
 <registrationID></registrationID>
 <initSync>false</initSync>
 </ns:registerAgent>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 2.2.8.1.3. Return

· status, xsd:string

# 2.2.8.2. unregisterAgent

### 2.2.8.2.1. Arguments

- sessionID, xsd:long
- ip, xsd:string
- port, xsd:int

## 2.2.8.2.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"</pre>
```



## 2.2.8.2.3. Return

· status, xsd:string

# 2.2.8.3. getRegisteredAgents

## 2.2.8.3.1. Arguments

sessionID, xsd:long

### 2.2.8.3.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:getRegisteredAgents>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body></soaP-ENV:Body></soaP-ENV:Body></soaP-ENV:Body></soaP-ENV:Body></soaP-ENV:Body></soaP-ENV:Envelope>
```

### 2.2.8.3.3. Return

• agents, xsd:Agent[]

# 2.2.9. Time Settings

## 2.2.9.1. getSNTP

Check if SNTP server is enabled or disabled



## 2.2.9.1.1. Arguments

• sessionID, xsd:long

#### 2.2.9.1.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:getSNTP>
</ns:getSNTP>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Envelope>
```

#### 2.2.9.1.3. Return

enable, xsd:boolean
 true if SNTP enabled, false if disabled

## 2.2.9.2. setSNTP

To enable or disable SNTP server

## 2.2.9.2.1. Arguments

- sessionID, xsd:long
- enable, xsd:boolean true if SNTP enabled, false if disabled

### 2.2.9.2.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:setSNTP>
<ns:sessionID>0</ns:sessionID>
```



```
<ns:enable>false</ns:enable>
</ns:setSNTP>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 2.2.9.2.3. Return

· status, xsd:string

# 2.2.9.3. getSNTPServer

To get SNTP server IP address

## 2.2.9.3.1. Arguments

· sessionID, xsd:long

### 2.2.9.3.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:getSNTPServer>
</soap-ens:sessionID>0</ns:sessionID>
</soap-ens:sessionID>0</soap-ens:sessionID>
</soap-ens:sessionID>0</soap-ens:sessionID>
</soap-ens:sessionID>0</soap-ens:sessionID>
</soap-ens:sessionID>0</soap-ens:sessionID>
</soap-ens:sessionID>0</soap-ens:sessionID>
</soap-ens:sessionID>0</soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap-ens:sessionID></soap
```

### 2.2.9.3.3. Return

serveraddr, xsd:string
 SNTP server IP address

## 2.2.9.4. setSNTPServer

To set SNTP server IP address

## 2.2.9.4.1. Arguments

- sessionID, xsd:long
- serveraddr, xsd:string
   SNTP server IP address



### 2.2.9.4.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:setSNTPServer>
<ns:sessionID>0</ns:sessionID>
<ns:setSNTPServer>
</soap-encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
</soap-encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
</soap-encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
</soap-encoding/"
</soap-encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
</soap-encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
</soap-encoding/"
xmlns:xsi="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
</soap-encoding/"
xmlns:xsi="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
</soap-encoding/"
xmlns:xsi="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
</soap-encoding/"
xmlns:xsi="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Envelope>
```

### 2.2.9.4.3. Return

- status, xsd:string
- errorSNTP server unreachable, if the address cannot be resolved.

# 2.2.9.5. getTerminalDateTime

To get date time in the terminal

## 2.2.9.5.1. Arguments

• sessionID, xsd:long

### 2.2.9.5.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:getTerminalDateTime>
</ns:getTerminalDateTime>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```



### 2.2.9.5.3. Return

 seconds, xsd:datetime timestamp of terminal in UTC

## 2.2.9.6. setTerminalDateTime

To set date time in the terminal

## 2.2.9.6.1. Arguments

- sessionID, xsd:long
- seconds, xsd:datetime timestamp of terminal in UTC

## 2.2.9.6.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:setTerminalDateTime>
<ns:sessionID>0</ns:sessionID>
<ns:terminalDateTime>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Envelope></soaP-ENV:Envelope>
```

### 2.2.9.6.3. Return

• status, xsd:string

# 2.2.9.7. getTimeZone

To get time zone in the terminal

## 2.2.9.7.1. Arguments

sessionID, xsd:long

### 2.2.9.7.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
```



```
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:getTimeZone>
</ns:getTimeZone>
</SOAP-ENV:Body>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 2.2.9.7.3. Return

timezone ID, xsd:string
 Olson timezone ID (see the table in Chaper 7)

## 2.2.9.8. setTimeZone

To get time zone in the terminal

## 2.2.9.8.1. Arguments

- sessionID, xsd:long
- timezone ID, xsd:string
   Olson timezone ID (see the table in Chaper 7)

#### 2.2.9.8.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:setTimeZone>
<ns:timezone></ns:timezone>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Envelope>
```



#### 2.2.9.8.3. Return

status, xsd:string

## 2.2.10. Misc Functions

# 2.2.10.1. openDoor

## 2.2.10.1.1. Arguments

- sessionID, xsd:long
- · doorID, xsd:int

### 2.2.10.1.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:openDoor>
<sessionID>0</doorID>
</ns:openDoor>
</sOAP-ENV:Body>
</sOAP-ENV:Body>
</sOAP-ENV:Envelope></soap-encoding/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsd="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
</soap-encoding-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all-was-all
```

## 2.2.10.1.3. Return

· status, xsd:string

# 2.2.10.2. getAPIVersion

## 2.2.10.2.1. Arguments

NA

### 2.2.10.2.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"</pre>
```



```
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:getAPIVersion>
</ns:getAPIVersion>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 2.2.10.2.3. Return

· version, xsd:string

# 2.2.10.3. getTerminalList

## 2.2.10.3.1. Arguments

sessionID, xsd:long

## 2.2.10.3.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:getTerminalList>
</soAP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Envelope>
```

#### 2.2.10.3.3. Return

terminalList, xsd:Terminal[]

# 2.2.10.4. getTerminalStatus

### 2.2.10.4.1. Arguments

sessionID, xsd:long

### 2.2.10.4.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"</pre>
```



```
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:getTerminalStatus>
<sessionID>0</sessionID>
</ns:getTerminalStatus>
</SOAP-ENV:Body>
</SOAP-ENV:Body>
```

### 2.2.10.4.3. Return

• terminalStatus, xsd:terminalStatus[]

# 2.2.10.5. openRelay

### 2.2.10.5.1. Arguments

- sessionID, xsd:long
- · relayID, ns:RelayID

#### 2.2.10.5.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:openRelay>
<sessionID>0</sessionID>
</ns:openRelay>
</sOAP-ENV:Body>
</sOAP-ENV:Body>
</sOAP-ENV:Body>
</sOAP-ENV:Envelope></soap-encoding/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsd="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
</soap-encoding/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
</soap-encoding/"
</soap-encoding/"
xmlns:xsd="http://www.d3.org/2001/XMLSchema"
xmlns:xsd="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
</soap-encoding/"
xmlns:xsd="http://www.d3.org/2001/XMLSchema"
xmlns:xsd="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
</soap-encoding/"
xmlns:xsd="http://www.hectrix.com/ACTAtek.xsd">
</soap-encoding/"
xmlns:xsd="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
</soap-encoding/"
xmlns:xsd="http://www.hectrix.com/ACTAtek.xsd">
<
```

### 2.2.10.5.3. Return

· status, xsd:string

# 2.2.10.6. closeRelay

## 2.2.10.6.1. Arguments

• sessionID, xsd:long



· relayID, ns:RelayID

## 2.2.10.6.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:closeRelay>
<relayID>ONE</relayID>
</ns:closeRelay>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 2.2.10.6.3. Return

· status, xsd:string

## 2.2.10.7. systemBackup

## 2.2.10.7.1. Arguments

sessionID, xsd:long

#### 2.2.10.7.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:systemBackup>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Envelope>
```



### 2.2.10.7.3. Return

data, xsd:base64binary

# 2.2.10.8. systemRestore

## 2.2.10.8.1. Arguments

- sessionID, xsd:long
- data, xsd:base64binary

### 2.2.10.8.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:systemRestore>
<sessionID>0</sessionID>
<ns:systemData></ns:systemData>
</ns:systemRestore>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 2.2.10.8.3. Return

· status, xsd:string

# 2.2.11. Terminal Settings

# 2.2.11.1. setFPSecurityLevel

## 2.2.11.1.1. Arguments

- sessionID, xsd:long
- fpSecurityLevel, xsi:ns1:FingerprintSecurityLevel

### 2.2.11.1.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"</pre>
```



```
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:setFpSecurityLevel>
<sessionID>0</sessionID>
<ns:fpSecurityLevel>LOW</ns:fpSecurityLevel>
</soaP-ENV:Body>
</soaP-ENV:Envelope>
```

## 2.2.11.1.3. Return

• status, xsd:string

# 2.2.11.2. getFPSecurityLevel

## 2.2.11.2.1. Arguments

sessionID, xsd:long

### 2.2.11.2.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:getFpSecurityLevel>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body></soaP-ENV:Body></soaP-ENV:Body>
</soaP-ENV:Body></soaP-ENV:Body></soaP-ENV:Body></soaP-ENV:Envelope>
```

### 2.2.11.2.3. Return

• fpSecurityLevel, xsi:ns1:FingerprintSecurityLevel



# 2.2.11.3. setRelayOption

### 2.2.11.3.1. Arguments

- sessionID, xsd:long
- · relayID, ns:RelayID
- · relayOpt, ns:RelayOption

### 2.2.11.3.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:setRelayOption>
<sessionID>0</sessionID>
<relayID>ONE</relayID>
<relayOpt>RELAY-DISABLE</relayOpt>
</ns:setRelayOption>
</SOAP-ENV:Body>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 2.2.11.3.3. Return

· status, xsd:string

# 2.2.11.4. getRelayOption

## 2.2.11.4.1. Arguments

- sessionID, xsd:long
- · relayID, ns:RelayID

#### 2.2.11.4.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
```



```
<ns:getRelayOption>
<sessionID>0</sessionID>
<relayID>ONE</relayID>
</ns:getRelayOption>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

#### 2.2.11.4.3. Return

· relayOpt, ns:RelayOption

# 2.2.11.5. setRelayDelay

## 2.2.11.5.1. Arguments

- sessionID, xsd:long
- · relayID, ns:RelayID
- sec, xsd:int

### 2.2.11.5.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:setRelayDelay>
<sessionID>0</sessionID>
<relayID>ONE</relayID>
<sec>0</sec>
</ns:setRelayDelay>
</SOAP-ENV:Body>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 2.2.11.5.3. Return

• status, xsd:string

# 2.2.11.6. getRelayDelay

## 2.2.11.6.1. Arguments

• sessionID, xsd:long



· relayID, ns:RelayID

### 2.2.11.6.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:getRelayDelay>
<sessionID>0</sessionID>
</ns:getRelayDelay>
</ns:getRelayDelay>
</sOAP-ENV:Body>
</sOAP-ENV:Envelope>
```

### 2.2.11.6.3. Return

· sec, xsd:int

### 2.2.11.7. setAutoInOut

## 2.2.11.7.1. Arguments

- sessionID, xsd:long
- auto\_in\_out\_option, xsi:ns1:AutoInOutOption

## 2.2.11.7.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:setAutoInOut>
<sessionID>0</sessionID>
</ns:setAutoInOut>
</sOAP-ENV:Body>
</SOAP-ENV:Body>
</SOAP-ENV:Body>
</soap-encoding="UTF-8"?>
</soap-encoding="UTF-8"?
</soap-encoding="UTF-8"?>
</soap-encoding="UTF-8"?
</soap-encoding="UTF-8"/"
</soap-encoding="UTF-8"/"
</soap-encoding="UTF-8"/"
</soap-encoding="UTF-8"/"
</soap-encoding="UTF-8"/"
</soap-encoding="UTF-8"/"
</soap-encoding="UTF-8"/"
</soap
```



### 2.2.11.7.3. Return

status, xsd:string

# 2.2.11.8. getAutoInOut

## 2.2.11.8.1. Arguments

sessionID, xsd:long

### 2.2.11.8.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:getAutolnOut>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body></soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Envelope>
```

### 2.2.11.8.3. Return

• auto-in-out-option, xsi:ns1:AutoInOutOption

# 2.2.11.9. setLogUnauthorizedEvent

## 2.2.11.9.1. Arguments

- sessionID, xsd:long
- · enable, xsd:boolean

### 2.2.11.9.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:setLogUnauthorizedEvent>
```



```
<sessionID>0</sessionID>
<ns:enable>false</ns:enable>
</ns:setLogUnauthorizedEvent>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 2.2.11.9.3. Return

status, xsd:string

# 2.2.11.10. getLogUnauthorizedEvent

## 2.2.11.10.1. Arguments

sessionID, xsd:long

#### 2.2.11.10.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:getLogUnauthorizedEvent>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Envelope>
```

### 2.2.11.10.3. Return

· enable, xsd: boolean

# 2.2.11.11. getCaptureFingerprint

## 2.2.11.11.1. Arguments

• sessionID, xsd:long

#### 2.2.11.11.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"</pre>
```



```
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:getCaptureFingerprint>
</sessionID>0</sessionID>
</ns:getCaptureFingerprint>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## 2.2.11.11.3. Return

• **jpegPhoto**, xsd: base64Binary



## 2.2.11.12. initCaptureFP

## 2.2.11.12.1. Arguments

• sessionID, xsd:long

### 2.2.11.12.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:initCaptureFP>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Body>
</soaP-ENV:Envelope>
```

### 2.2.11.12.3. Return

- jpegPhoto, xsd: base64Binary
- · status, xsd:string

## 2.2.12. Job Code

# 2.2.12.1. getJobCodeSettings

## 2.2.12.1.1. Arguments

· sessionID, xsd:long

## 2.2.12.1.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
```



```
<SOAP-ENV:Body>
<ns:getJobCodeSettings>
<sessionID>0</sessionID>
</ns:getJobCodeSettings>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

#### 2.2.12.1.3. Return

Jobcodesettings: ns:JobCodeSettingsArray

# 2.2.12.2. updateJobCodeSettings

## 2.2.12.2.1. Arguments

• sessionID, xsd:long

### 2.2.12.2.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:updateJobCodeSettings>
 <sessionID>0</sessionID>
 <jobcodesettings>
  <jobcodesettings>
  <jobcode>0</jobcode>
  <jobcodeName></jobcodeName>
  <enable>0</enable>
  </jobcodesettings>
 </jobcodesettings>
 </ns:updateJobCodeSettings>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

#### 2.2.12.2.3. Return

· status: xsd:string



## 2.2.12.3. addJobCodes

## 2.2.12.3.1. Arguments

- · sessionID xsd:long
- jobcodes ns:JobCodeArray

### 2.2.12.3.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:addJobCodes>
 <sessionID>0</sessionID>
 <jobcodes>
  <jobcodes>
  <JobCodeID>0</JobCodeID>
  <JobCodeDescription></JobCodeDescription>
  <enable>0</enable>
  <jobCode>0</jobCode>
  </jobcodes>
 </jobcodes>
 </ns:addJobCodes>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 2.2.12.3.3. Return

· status: xsd:string

# 2.2.12.4. updateJobCodes

## 2.2.12.4.1. Arguments

- sessionID xsd:long
- jobcodes ns:JobCodeArray

### 2.2.12.4.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope</pre>
```



```
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:updateJobCodes>
 <sessionID>0</sessionID>
 <jobcodes>
 <jobcodes>
  <JobCodeID>0</JobCodeID>
  <JobCodeDescription></JobCodeDescription>
  <enable>0</enable>
  <iobCode>0</iobCode>
 </jobcodes>
 </iobcodes>
</ns:updateJobCodes>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 2.2.12.4.3. Return

· status: xsd:string

## 2.2.12.5. deleteJobCodes

# 2.2.12.5.1. Arguments

- · sessionID xsd:long
- jobcodes ns:JobCodeArray

### 2.2.12.5.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
<ns:deleteJobCodes>
<sessionID>0</sessionID>
```



```
<jobcodes>
<jobcodes>
<jobcodes>
<JobCodeID>0</JobCodeID>

<JobCodeDescription></JobCodeDescription>
<enable>0</enable>
<jobCode>0</jobCode>
</jobcodes>
</jobcodes>
</soaP-ENV:Body>
</soap-ENV:Envelope>
```

### 2.2.12.5.3. Return

status: xsd:string

## 2.2.12.6. getJobCodes

## 2.2.12.6.1. Arguments

- · sessionID xsd:long
- getJobCodeCriteria ns:getJobCodeCriteria

### 2.2.12.6.2. WSDL

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns="http://www.hectrix.com/ACTAtek.xsd">
<SOAP-ENV:Body>
 <ns:getJobCodes>
 <sessionID>0</sessionID>
 <getJobCodeCriteria>
  <jobcodeID>0</jobcodeID>
  <jobcodeDescription></jobcodeDescription>
  <enable>0</enable>
  <jobcode>0</jobcode>
 </getJobCodeCriteria>
 </ns:getJobCodes>
</SOAP-ENV:Body>
```





# </SOAP-ENV:Envelope>

# 2.2.12.6.3. Return

• **jobcodes:** ns:JobCodeArray



# **Chapter 3. Creating C Application**

# 3.1. Requirements

- Supported OS: Windows(win32/WinCE), Linux, Sun Solaris and Mac OS X
- gSOAP 2.7

# 3.2. Example

Assume IP address of ACTAtek is 192.168.1.112,

### Makefile

```
CC=gcc
OBJS=soapC.o soapClient.o main.o
LIBS=-lgsoap
LDFLAGS=-02 -s
CFLAGS=-O2 -I. -I/usr/local/include
#CFLAGS+=-DDEBUG
all: $(OBJS) main
ACTAtek.wsdl:
    wget http://192.168.1.112/soap/document/ACTAtek.wsdl
ACTAtek.h: ACTAtek.wsdl
    wsdl2h -c ACTAtek.wsdl
main: $(OBJS)
    $(CC) -o $@ $(OBJS) $(LIBS) $(LDFLAGS)
soapClient.c: ACTAtek.h
    soapcpp2 -c ACTAtek.h
soapC.c: ACTAtek.h
    soapcpp2 -c ACTAtek.h
%.o: %.c
    $(CC) $(CFLAGS) -c $<
%.o: %.cpp
    $(CPP) $(CFLAGS) -c $<
```



```
clean:
$(RM) -rf soapServerLib.* soapClientLib.* soapC.*
$(RM) -rf soapServer.* soapClient.* soapH.* soapStub.*
$(RM) -rf soap.* soapClient.* soapH.* soapStub.*
$(RM) -rf soapObject.h soapProxy.h
$(RM) -rf soapServiceObject.h soapServiceProxy.h
$(RM) -rf ws *ACTAtek*
$(RM) -rf *.xml *.xsd *.wsdl *.nsmap
$(RM) -rf $(OBJS) main
$(RM) -rf ns.h
$(RM) -rf *~
```

#### main.c

```
#include "soapH.h"
                     // obtain the generated stub
#include "ACTAtek.nsmap"
                            // obtain the namespace mapping table
#define SOAP_CMD "http://192.168.1.142/cgi-bin/rpcrouter"
int main(int argc, char **argv)
    struct soap soap; // gSOAP runtime environment
    soap init(&soap); // initialize runtime environment (only once)
    char *employeeID = NULL;
    if (argc == 2) {
         employeeID = argv[1];
    }
   // Try Login
    struct ns1__loginResponse response;
    printf("Calling...\n");
    if (soap_call_ns1 login(&soap, SOAP_CMD, NULL, "A999", \
                   "1", &response) == SOAP_OK) {
         printf("Session ID: %d\n", response.ns1__sessionID);
    } else {
                         // an error occurred
         soap_print_fault(&soap, stderr);
    }
    // Log search
    struct ns1__getLogsResponse getLogsResponse;
    struct ns1 getLogsCriteria Icriteria;
```



```
memset(&criteria, 0, sizeof(criteria));
    lcriteria.employeeID = employeeID;
    if (soap_call_ns1_getLogs(&soap, SOAP_CMD, NULL, \
                    response.ns1__sessionID, &lcriteria, \
                    &getLogsResponse) == SOAP OK) {
         if (getLogsResponse.ns1__logs) {
              int size = getLogsResponse.ns1 logs-> sizelog;
              printf("No of Logs: %d\n", size);
              int i = 0;
              for (i = 0; i < size; i++) {
                  printf(" LogID: %d", getLogsResponse.ns1__logs->log[i]->logID);
                   printf(", User: %s", getLogsResponse.ns1 logs->log[i]->userID);
                   printf(", Trigger: %d", getLogsResponse.ns1__logs->log[i]->trigger);
                      printf(", Timestamp: %s", ctime(&(getLogsResponse.ns1__logs-
>log[i]->timestamp)));
              }
         }
    } else {
                    // an error occurred
         soap_print_fault(&soap, stderr);
    // Try Logout
    struct ns1__logoutResponse oresponse;
    if (soap_call_ns1__logout(&soap, SOAP_CMD, NULL, \
                    response.ns1 sessionID, \
                    &oresponse) == SOAP_OK) {
         printf("LOGOUT Session ID: %d\n", response.ns1 sessionID);
    } else{
                    // an error occurred
         soap_print_fault(&soap, stderr);
    soap_destroy(&soap); // delete deserialized class instances (for C++ only)
    soap_end(&soap); // remove deserialized data and clean up
    soap_done(&soap); // detach the gSOAP environment
    return 0;
```



# **Chapter 4. Creating Visual Basic Application**

### 4.1. Requirements

- Supported OS: Windows 98, ME, 2000, XP
- SOAP Toolkit 3.0 for Windows
- Visual Basic 6.0

### 4.2. Example

Private Sub login()

Dim Serializer As SoapSerializer30

Dim Connector As SoapConnector30

Dim Reader As SoapReader30

Dim str As String

Dim newline As String

Dim name As String

Dim password As String

On Error GoTo End\_this\_process

' Prevent the mistype of IP address

Set Connector = New HttpConnector30

Connector.Property("EndPointURL") = "http://" & Text3.Text & "/cgi-bin/rpcrouter"
Connector.Connect

Connector.BeginMessage

Set Serializer = New SoapSerializer30

Serializer.Init Connector.InputStream

Serializer.StartEnvelope "", "STANDARD"

Serializer.SoapNamespace "xsi", "http://www.w3.org/2001/XMLSchema-instance"

Serializer.SoapNamespace "xsd", "http://www.w3.org/2001/XMLSchema"

Serializer.SoapNamespace "ns1", "http://www.hectrix.com/ACTAtek.xsd"

Serializer.StartBody

Serializer.StartElement "ns1:login"

name = Text1.Text





```
password = Text2.Text
  Serializer.StartElement "username"
  Serializer. WriteString name
  Serializer.EndElement
  Serializer.StartElement "password"
  Serializer. WriteString password
  Serializer.EndElement
  Serializer.EndElement
  Serializer.EndBody
  Serializer.EndEnvelope
  Connector. End Message
  ' The following lines show how you would retrieve a result if the method returned one
  Set Reader = New SoapReader30
  Reader.Load Connector.OutputStream
  str = Reader.RpcResult.Text
  sessionID = Val(str)
  If sessionID = 0 Then
                          'sessionID received, login success
    status.Caption = "Login Failed"
  End If
End_this_process:
```

**ACTAtek SOAP API Manual** 

End Sub



# **Chapter 5. Creating .NET Application**

## 5.1. Requirements

· Supported OS: 2000, XP

Visual Studio .NET 2003

## 5.2. Example

Create the Web Reference using the ACTAtek.WSDL located on the terminal at

#### http://<deviceIP>/soap/document/ACTAtek.wsdI

This will automatically generate all the methods to access the ACTAtek API.

```
Private Sub Login()
'Login SOAP request
 Dim sessionID As Long
 Dim IP_Addr As String
 Dim UserID As String
 Dim Password As String
 IP Addr="192.168.1.100"
 UserID ="A999
 Password="1"
 Try
  ' ACTAtekWSDL is the name of the web reference
  Dim ActaService As ACTAtekWSDL.ACTAtek = New ACTAtekWSDL.ACTAtek
  ActaService.Url = "http://" & IP_Addr & "/cgi-bin/rpcrouter"
  sessionID = ActaService.login(UserID, Password)
   Catch ex As Exception
      MsgBox(ex.Message)
 End Try
End Sub
```





Sample Code to get detail event log, Session ID is obtained from the login API request

```
Private Sub GetFullLog()
```

' GetFullLog SOAP Request

Dim dateFrom As Date

Dim dateTo As Date

Dim EventTrigger As ACTAtekWSDL.triggerType

Dim Trigger As String

Dim IP\_Addr As String

IP Addr="192.168.1.100"

' Get the Event Trigger

Trigger = "IN"

'Retrieve Enum from its member name (Event Trigger name)

EventTrigger=CType(System.Enum.Parse(GetType(ACTAtekWSDL.

triggerType), Trigger), ACTAtekWSDL.triggerType)

'parse string date into date format

dateFrom = DateTime.Parse( "01/01/00 00:00:01")

dateTo = Now

Dim ActaService As ACTAtekWSDL.ACTAtek = New ACTAtekWSDL.ACTAtek
ActaService.Url = "http://" & IP\_Addr & "/cgi-bin/rpcrouter"

Dim LogCritera As ACTAtekWSDL.getLogsCriteria

' Set the getLogsCriteria

LogCritera = New ACTAtekWSDL.getLogsCriteria

LogCritera.from = dateFrom 'Date

LogCritera.to = dateTo 'Date

LogCritera.departmentID = 0 'Integer

LogCritera.departmentIDSpecified = False 'Boolean

LogCritera.employeeID = "" ' String

LogCritera.employeeName = "" 'String

LogCritera.fromSpecified = True ' Boolean

LogCritera.toSpecified = True 'Boolean

LogCritera.trigger = EventTrigger ' Eventtype

LogCritera.triggerSpecified = False ' Boolean

LogCritera.terminaSN="" ' String





```
' get the output from getlog
 Dim Logs() As ACTAtekWSDL.LogDetail
 Dim log As ACTAtekWSDL.LogDetail
 Dim count As Integer
 Dim textLog As String
 Logs = ActaService.getFullLogs(SessionID, LogCritera, 1, False)
 ' Check if anything is retrieved
 If Logs Is Nothing Then
      ' No log retrieved so exit sub
   Exit Sub
 End If
  txtOutput.Text = ""
  count = 0
  'Go through each log
  For Each log In Logs
    count = count + 1
   'retrieve an Enum member (Event Trigger name),
   'cast the integer value from log.trigger to your Enum type
    EventTrigger = CType(log.trigger, ACTAtekWSDL.triggerType)
       textLog = textLog & count & ": " & log.userName & " " & log.userID &
             " " & log.timestamp & " " & log.departmentName &
             " " & EventTrigger.ToString & " " & log.terminalName &
             " " & log.terminalSN & " " & log.remark & vbCrLf
  Next
  txtOutput.Text = textLog
End Sub
```



# **Chapter 6. Creating JAVA Application**

## 6.1. Requirements

Apache AXIS (Java) 1.1 or later

## 6.2. Example

Creating Java Proxy class,

#### \$ java org.apache.axis.wsdl.WSDL2Java

http://<deviceIP>/soap/document/ACTAtek.wsdI

It will generate the Java Proxy class and related data structures/classes that used to access the service. The generated Proxy should be used to call the remote service. You can find the proxy in the package:

```
com.hectrix.www.ACTAtek_service
```

There is a ACTAtekLocator.java generated, which can be used locate the service provided by a particular location (URL, or Service Endpoint). Sample Calling Sequence of the Login function:

```
ACTAtekLocator locator = new ACTAtekLocator();

ACTAtekPortType api = locator.getACTAtek(new java.net.URL("http://192.168.1.100/cgi-bin/rpcrouter"));

long sessionID = api.login("A123", "123");
```

You should change the IP address appropriately to reflect the actual deployment setting of your ACTAtek. As you can see, "api" object is used to access the remote methods exposed by WSDL. Please refer to the [API] section for details of the methods provided.

For issues related the generation of Java Proxy, please refer to the Apache website. (http://ws.apache.org)

#### Makefile

```
JAVA_HOME=/usr/java

JAVA=$(JAVA_HOME)/bin/java

JAVAC=$(JAVA_HOME)/bin/javac

WSDL_URL=http://192.168.1.112/soap/document/ACTAtek.wsdl

CLASSPATH=lib/axis.jar:lib/jaxrpc.jar:lib/saaj.jar:lib/commons-logging.jar:lib/commons-discovery.jar:lib/wsdl4j.jar

WSDL2JAVA=$(JAVA) -classpath $(CLASSPATH) org.apache.axis.wsdl.WSDL2Java
```

**ACTAtek** 



```
All: generate_java_classes Main.class

Main.class: Main.java .PROXY_GENERATED

$(JAVAC) -classpath .:$(CLASSPATH) Main.java

runtest: Main.class .PROXY_GENERATED

$(JAVA) -classpath .:$(CLASSPATH) Main

generate_java_classes: .PROXY_GENERATED

.PROXY_GENERATED:

$(WSDL2JAVA) $(WSDL_URL)

touch .PROXY_GENERATED

clean:

rm -rf *.class com *~ .PROXY_GENERATED
```

#### Main.java



# Chapter 7. Using SOAP API with SSL

## 7.1. Requirements

- Supported OS: Windows(win32/WinCE), Linux, Sun Solaris and Mac OS X
- gSOAP 2.7
- · stdsoap2.c stdsoap2.h from gSOAP package

### 7.2. Example

Assume IP address of ACTAtek is 192.168.1.112,

#### Makefile

```
CC=gcc
OBJS=soapC.o soapClient.o main.o stdsoap2.o
LIBS=-Igsoap -IssI -Icrypto
LDFLAGS=-02 -s
CFLAGS=-02 -I. -I/usr/local/include
#CFLAGS+=-DDEBUG
CFLAGS+=-DDEBUG -DWITH OPENSSL
all: $(OBJS) main
ACTAtek.wsdl:
    wget http://192.168.1.112/soap/document/ACTAtek.wsdl
ACTAtek.h: ACTAtek.wsdl
    wsdl2h -c ACTAtek.wsdl
main: $(OBJS)
    $(CC) -o $@ $(OBJS) $(LIBS) $(LDFLAGS)
soapClient.c: ACTAtek.h
    soapcpp2 -c ACTAtek.h
soapC.c: ACTAtek.h
    soapcpp2 -c ACTAtek.h
%.o: %.c
    $(CC) $(CFLAGS) -c $<
```

**ACTAtek** 



```
%.o: %.cpp
$(CPP) $(CFLAGS) -c $<

clean:
$(RM) -rf soapServerLib.* soapClientLib.* soapC.*
$(RM) -rf soapServer.* soapClient.* soapH.* soapStub.*
$(RM) -rf soap.* soapClient.* soapH.* soapStub.*
$(RM) -rf soapObject.h soapProxy.h
$(RM) -rf soapServiceObject.h soapServiceProxy.h
$(RM) -rf ws *ACTAtek*
$(RM) -rf *.xml *.xsd *.wsdl *.nsmap
$(RM) -rf $(OBJS) main
$(RM) -rf ns.h
$(RM) -rf *~
```

#### main.c

```
#include "soapH.h"
                          // obtain the generated stub
#include "ACTAtek.nsmap"
                              // obtain the namespace mapping table
#ifdef WITH OPENSSL
    #define SOAP_CMD "https://192.168.1.142/cgi-bin/rpcrouter"
#else
    #define SOAP CMD "http://192.168.1.142/cgi-bin/rpcrouter"
#endif
int main(int argc, char **argv)
    struct soap soap; // gSOAP runtime environment
    soap_init(&soap); // initialize runtime environment (only once)
#ifdef WITH_OPENSSL
    printf("Before SSL init\n");
    if (soap_ssl_client_context(&soap,
         SOAP_SSL_NO_AUTHENTICATION, // SOAP_SSL_DEFAULT,
           NULL, /* keyfile: required only when client must authenticate to server (see
SSL docs on how to obtain this file) */
         NULL, /* password to read the key file */
         NULL, /* optional cacert file to store trusted certificates */
         NULL, /* optional capath to directty with trusted certificates */
         NULL /* if randfile!=NULL: use a file with random data to seed random */
         )) {
```



```
soap_print_fault(&soap, stderr);
          exit(1);
         printf("After SSL init\n");
#endif
    char *employeeID = NULL;
    if (argc == 2) {
          employeeID = argv[1];
    }
    // Try Login
    struct ns1__loginResponse response;
    printf("Calling...\n");
    if (soap_call_ns1__login(&soap, SOAP_CMD, NULL, "A999", \
                    "1", &response) == SOAP_OK) {
         printf("Session ID: %d\n", response.ns1__sessionID);
    } else {
                          // an error occurred
         soap_print_fault(&soap, stderr);
    // Log search
    struct ns1 getLogsResponse getLogsResponse;
    struct ns1__getLogsCriteria lcriteria;
     memset(&criteria, 0, sizeof(criteria));
    lcriteria.employeeID = employeeID;
     if (soap_call_ns1_getLogs(&soap, SOAP_CMD, NULL, \
                     response.ns1__sessionID, &lcriteria, \
                     &getLogsResponse) == SOAP OK) {
         if (getLogsResponse.ns1__logs) {
              int size = getLogsResponse.ns1__logs->__sizelog;
              printf("No of Logs: %d\n", size);
              int i = 0;
              for (i = 0; i < size; i++) {
                   printf(" LogID: %d", getLogsResponse.ns1__logs->log[i]->logID);
                   printf(", User: %s", getLogsResponse.ns1 logs->log[i]->userID);
                   printf(", Trigger: %d", getLogsResponse.ns1__logs->log[i]->trigger);
                      printf(", Timestamp: %s", ctime(&(getLogsResponse.ns1__logs-
>log[i]->timestamp)));
              }
```

**ACTAtek** 





# Chapter 8. Correspondence between Time Zone Names and Time Zone IDs

Timezone Name (as seen on web interface)	Timezone ID
No Timezone	(Empty string)
(GMT -12:00:00) Eniwetok, Kwajalein	Pacific/Kwajalein
(GMT -11:00:00) Midway Island, Samoa	Pacific/Midway
(GMT -10:00:00) Hawaii	Pacific/Honolulu
(GMT -10:00:00) Alaska	America/Anchorage
(GMT -08:00:00) Pacific Time (US & Canada); Tijuana	America/Tijuana
(GMT -07:00:00) Mexican Standard Time; Chihuahua, La Paz,	America/Chihuahua
Mazatlan	
(GMT -07:00:00) Mountain Standard Time (US & Canada)	America/Dawson_Creek
(GMT -07:00:00) Arizona	America/Phoenix
(GMT -06:00:00) Central Standard Time (US & Canada)	America/Swift_Current
(GMT -06:00:00) Mexico City, Tegucigalpa	America/Tegucigalpa
(GMT -06:00:00) Saskatchewan	America/Regina
(GMT -06:00:00) Central America	America/Costa_Rica
(GMT -05:00:00) Eastern Standard Time (US & Canada)	America/Toronto
(GMT -05:00:00) Eastern Standard Time, Indiana (East)	America/Indiana/Indiana
	polis
(GMT -05:00:00) Bogota, Lima, Quito	America/Lima
(GMT -04:00:00) Atlantic Standard Time(Canada)	America/Halifax
(GMT -04:00:00) Caracas, La Pa	America/Caracas
(GMT -04:00:00) Santiago	America/Santiago
(GMT -03:30:00) Newfoundland	America/St_Johns
(GMT -03:00:00) Buenos Aires, Georgetown	America/Argentina/Buen
	os_Aires
(GMT -03:00:00) Brasilia	America/Sao_Paulo
(GMT -03:00:00) Greenland	America/Godthab
(GMT -02:00:00) Mid-Atlantic	America/Glace_Bay
(GMT -01:00:00) Azores	Atlantic/Azores
(GMT -01:00:00) Cape Verde Island	Atlantic/Cape_Verde
(GMT 00:00:00) Casablanca, Monrovia	Africa/Casablanca





Timezone Name (as seen on web interface)	Timezone ID
(GMT 00:00:00) Greenwich Mean Time: Dublin, Edinburgh,	Europe/Lisbon
Lisbon, London	
(GMT +01:00:00) Amsterdam, Copenhagen, Madrid, Paris, Vilnius	Europe/Amsterdam
(GMT +01:00:00) West Central Africa	Africa/Bangui
(GMT +01:00:00) Belgrade, Sarajevo, Skopje, Sofia, Zagreb	Europe/Skopje
(GMT +01:00:00) Bratislava, Budapest, Ljubljana, Prague,	Europe/Bratislava
Warsaw	
(GMT +01:00:00) Brussels, Berlin, Bern, Rome, Stockholm,	Europe/Stockholm
Vienna	
(GMT +02:00:00) Cairo	Africa/Cairo
(GMT +02:00:00) Harae, Pretoria	Africa/Maseru
(GMT +02:00:00) Israel	Asia/Gaza
(GMT +02:00:00) Bucharest	Europe/Bucharest
(GMT +02:00:00) Helsinki, Riga, Tallinn	Europe/Riga
(GMT +02:00:00) Athens, Istanbul, Munsk	Europe/Istanbul
(GMT +03:00:00) Kuwait, Riyadh	Asia/Riyadh
(GMT +03:00:00) Nairobi	Africa/Nairobi
(GMT +03:00:00) Baghdad	Asia/Baghdad
(GMT +03:00:00) Moscow, St. Petersburg, Volgograd	Europe/Moscow
(GMT +03:00:00) Tehran	Asia/Tehran
(GMT +04:00:00) Abu Dhabi, Muscat	Asia/Muscat
(GMT +04:00:00) Baku, Tbilisi	Asia/Tbilisi
(GMT +04:00:00) Kabul	Asia/Kabul
(GMT +05:00:00) Islamabad, Karachi, Tashkent	Asia/Tashkent
(GMT +05:00:00) Ekaterinburg	Asia/Yekaterinburg
(GMT +05:30:00) Bombay, Calcutta, Madras, New Delhi	Asia/Calcutta
(GMT +05:45:00) Kathmandu	Asia/Kathmandu
(GMT +06:00:00) Dhaka	Asia/Dhaka
(GMT +06:00:00) Colombo	Asia/Colombo
(GMT +06:00:00) Almaty, Novosibirsk	Asia/Novosibirsk
(GMT +06:30:00) Rangoon	Asia/Rangoon
(GMT +07:00:00) Bangkok, Hanoi, Jakarta	Asia/Bangkok
(GMT +07:00:00) Krasnoyarsk	Asia/Krasnoyarsk
(GMT +08:00:00) Beijing, Chongqing, Hong Kong, Urumqi	Asia/Hong_Kong
(GMT +08:00:00) Perth	Australia/Perth
(GMT +08:00:00) Singapore	Asia/Singapore
(GMT +08:00:00) Taipei	Asia/Taipei





Timezone Name (as seen on web interface)	Timezone ID
(GMT +08:00:00) Irkutsk, Ulaan Battar	Asia/Irkutsk
(GMT +09:00:00) Osaka, Sapporo, Tokyo	Asia/Tokyo
(GMT +09:00:00) Seoul	Asia/Seoul
(GMT +09:00:00) Yakutsk	Asia/Yakutsk
(GMT +09:30:00) Darwin	Australia/Darwin
(GMT +09:30:00) Adelaide	Australia/Adelaide
(GMT +10:00:00) Canberra, Melbourne, Sydney	Australia/Sydney
(GMT +10:00:00) Brisbane	Australia/Brisbane
(GMT +10:00:00) Guam, Port Moresby	Pacific/Port_Moresby
(GMT +10:00:00) Hobart	Australia/Hobart
(GMT +10:00:00) Vladivostok	Asia/Vladivostok
(GMT +11:00:00) Magadan, Solomon Island, New Caledonia	Asia/Magadan
(GMT +12:00:00) Fiji, Kamchatka, Marshall Island	Asia/Kamchatka
(GMT +12:00:00) Auckland, Wellington	Pacific/Auckland
(GMT +13:00:00) Nuku'alofa	Pacific/Tongatapu