



CHAPTER 2

Access Control Functions

This chapter provides information about the following access control functions:

- [addUserToDeviceAccessList](#), page 2-1
- [addUserToGroupAccessList](#), page 2-2
- [addUserToPAKAccessList](#), page 2-3
- [getAssociatedActions](#), page 2-4
- [getUserAccessListFromDevice](#), page 2-4
- [getUserAccessListFromGroup](#), page 2-5
- [getUserAccessListFromPAK](#), page 2-6
- [removeAccessListFromDevice](#), page 2-6
- [removeAccessListFromGroup](#), page 2-7
- [removeUserFromDeviceAccessList](#), page 2-8
- [removeUserFromGroupAccessList](#), page 2-8
- [removeUserFromPAKAccessList](#), page 2-9

addUserToDeviceAccessList

Synopsis

```
DeviceStatus addUserToDeviceAccessList(UserToken token, String dev, String[] usr_ids)  
throws RemoteException;
```

Description

This function provides user access control and associates a device with a list of user IDs.

Input Parameters

Parameter	Type	Value	Description
token	UserToken, mandatory	—	A token that represents your authorization pass, which is obtained after you invoke the login function and are authenticated by the back-end server.
dev	String, mandatory	—	The device ID.
user_ids	Array of string, mandatory	Name is a string containing up to 64 ASCII characters in the range from x21 to x7A	Array of user IDs to be added to a device access list.

Return

This function returns a DeviceStatus object.

Error and Exception

If a system error prevents the operation from completing, a RemoteException is thrown.

When an operation error occurs, the information is contained in the returned DeviceStatus object. To inspect the status of an individual element, you must traverse the DeviceStatusItem array within DeviceStatus. Each DeviceStatusItem contains the Device object, error code, and error message.

addUserToGroupAccessList

Synopsis

```
GroupStatus AddUserToDeviceAccessList(UserToken token, String group, String[] usr_ids)
throws RemoteException;
```

Description**Input Parameters**

Parameter	Type	Value	Description
token	UserToken, mandatory	—	A token that represents your authorization pass, which is obtained after you invoke the login function and are authenticated by the back-end server.

group	String, mandatory	—	The group ID.
user_ids	Array of string, mandatory	Name is a string containing up to 64 ASCII characters in the range from x21 to x7A	An array of user IDs to be added to a device access list.

Return**Error and Exception**

addUserToPAKAccessList

Synopsis

```
PAKStatus AddUserToPAKAccessList(UserToken token, String pak, String[] usr_ids) throws  
RemoteException;
```

This function adds an array of user IDs into the access list of a given product authorization key (PAK) name. This function supports user access control.

token	UserToken, mandatory	—	A token that represents your authorization pass, which is obtained after you invoke the login function and are authenticated by the back-end server.
pak	String, mandatory	—	The PAK ID.
User_ids	Array of string, mandatory	Name is a string containing up to 64 ASCII characters in the range from x21 to x7A	An array of user IDs to be added to the PAK access list.

This function returns a PAKStatus object. If the operation is successful, the error code will be SUCCESS. PAKStatus contains an array of PAKStatusItem. Each PAKStatusItem contains the PAK Object, error code, and error message.

If a system error prevents the operation from completing, a RemoteException is thrown.

The PAKStatus contains overall operation status. When a system-level error occurs and the operation cannot be completed, the PAKStatus error code returns none SUCCESS and an error message if the cause of the failure is known. For each individual ID, the PAKStatus contains PAKStatusItem[]. Each PAKStatusItem contains a PAK object, error code, and error message that shows the individual status.

getAssociatedActions

Synopsis

Description

Input Parameters

Parameter	Type	Value	Description

Return

Error and Exception

getUserAccessListFromDevice

Synopsis

```
String[] getUserAccessListFromDevice (UserToken token, String dev_id) throws  
RemoteException;
```

Description**Input Parameters**

Parameter	Type	Value	Description

Return**Error and Exception**

getUserAccessListFromGroup

Synopsis**Description****Input Parameters**

Parameter	Type	Value	Description

Return**Error and Exception**


```
public Status removeAccessListFromDevice(UserToken token, String dev_id) throws  
RemoteException;
```


```
public Status removeAccessListFromGroup(UserToken token, String group_id) throws  
RemoteException;
```


removeUserFromDeviceAccessList

Synopsis

Description

Input Parameters

Parameter	Type	Value	Description

Return

Error and Exception

removeUserFromGroupAccessList

Synopsis

Description

Input Parameters

Parameter	Type	Value	Description

Return**Error and Exception**

removeUserFromPAKAccessList

Synopsis**Description****Input Parameters**

Parameter	Type	Value	Description
