



ALW Commands

This chapter provides ALW (allow) commands for the Cisco ONS 15454 SDH.

2.1 ALW-CONSOLE-PORT

Allow Console Port

Usage Guidelines This command is used to turn on the console port for the ML1000-2, ML100T-12 and ML-100T-8 cards.

Category Security

Security Superuser

Input Format ALW-CONSOLE-PORT:[<TID>]:<AID>:<CTAG>;

Input Example ALW-CONSOLE-PORT:CISCONODE:SLOT-2:123;

Input Parameters

Table 2-1 ALW-CONSOLE-PORT Input Parameters

Parameter and Values	Description
AID	Access identifier. Values are in the “25.1.11 EQPT” section on page 25-16

2.2 ALW-MSG-ALL

Allow Message All

Usage Guidelines

This command instructs the NE to enter a mode where all the REPT ALM and REPT EVT autonomous messages are transmitted. See the INH-MSG-ALL command to inhibit these autonomous messages. When a TL1 session starts, the REPT ALM and REPT EVT messages are allowed by default.

**Note**

If this command is issued twice in the same session, the SAAL (Status, Already Allowed) error message will be returned. The optional fields in the e block are not supported.

Category

System

Security

Retrieve

Input Format

ALW-MSG-ALL:[<TID>]:[<AID>]:<CTAG>[::,];

Input Example

ALW-MSG-ALL:PETALUMA:ALL:549;

Input Parameters

Table 2-2 ALW-MSG-ALL Input Parameters

Parameter and Values	Description
AID	Access identifier. Support is limited to AID ALL. String

2.3 ALW-MSG-DBCHG

Allow Database Change Message

Usage Guidelines

This command enables REPT DBCHG. When a TL1 session starts, the REPT DBCHG messages are not allowed by default.

**Note**

This command is not defined in the GR.

Category

Log

Security

Retrieve

Input Format

ALW-MSG-DBCHG:[<TID>]:[<CTAG>[::,];

Input Example ALW-MSG-DBCHG:CISCO::123;

Input Parameters

Table 2-3 ALW-MSG-DBCHG Input Parameters

Parameter and Values	Description
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2.4 ALW-MSG-SECU

Allow Message Security

Usage Guidelines This command enables REPT EVT SECU and REPT ALM SECU autonomous messages.

Category Security

Security Superuser

Input Format ALW-MSG-SECU:[<TID>]::<CTAG>[::,];

Input Example ALW-MSG-SECU:PETALUMA::123;

Input Parameters

Table 2-4 ALW-MSG-SECU Input Parameters

Parameter and Values	Description
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2.5 ALW-PMREPT-ALL

Allow Performance Report All

Usage Guidelines This command resumes processing all the PM reports that are inhibited. The allowance of the PM reporting is session-based, which means the command is only effective to the TL1 session that issues this command.

Category Performance

Security Retrieve

Input Format ALW-PMREPT-ALL:[<TID>]::<CTAG>;

Input Example ALW-PMREPT-ALL:CISCONODE::123;

Input Parameters

Table 2-5 ALW-PMREPT-ALL Input Parameters

Parameter and Values	Description
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2.6 ALW-SWDX-EQPT

Allow Switch Duplex Equipment

Usage Guidelines

This command allows automatic or manual switching on a duplex system containing duplexed or redundant equipment. To inhibit an NE switching to duplex, use the INH-SWDX-EQPT command.

ALW-SWDX-EQPT is not used for SONET line or electrical card protection switching. For SONET line or path protection switching commands, see OPR-PROTNSW and RLS-PROTNSW commands. For the electrical card protection switching, see the SW-TOWKG-EQPT and SW-TOPROTN-EQPT commands.



Note

This command applies to the XC-VXL-10G, XC-VXL-2.5G, and XC-VXC-10G equipment units only in this release.

Category Equipment

Security Maintenance

Input Format ALW-SWDX-EQPT:[<TID>]:<AID>:<CTAG>[::];

Input Example ALW-SWDX-EQPT:CISCO:SLOT-8:1234;

Input Parameters**Table 2-6 ALW-SWDX-EQPT Input Parameters**

Parameter and Values	Description
AID	Access identifier for XCVXL-10G/XCVXL-2.5G from the “25.1.11 EQPT” section on page 25-16

2.7 ALW-SWTOPROTN-EQPT

Allow Switch to Protection Equipment

Usage Guidelines

This command allows automatic or manual switching of an equipment unit back to a protection status. Use the INH-SWTOPROTN-EQPT command to inhibit an NE from switching to protection.

ALW-SWTOPROTN-EQPT is used for electrical cards that can participate in an electrical protection group (for example, E1, E3, E4, and DS3i-N-12). When this command is given to a working unit, the working unit will be allowed to switch to the protection unit. When this command is given to a protection unit, any working unit in the protection group is allowed to switch to the protection unit.

The standing condition of INHSWPR on the unit specified by the AID will be cleared.

**Note**

- This command only supports one value of the <DIRN> parameter - BTH. A command with any other value is considered an incorrect use of the command. An IDNV (Input, Data Not Valid) error message should be responded.
- This command is not used for the common control (TCC2/TCC2P or XC-VXL-10G/XC-VXL-2.5G) cards. A command on a common control card will receive an IIAC (Input, Invalid Access Identifier) error message. To use the common control card switching commands, use the SW-DX-EQPT and ALW-SWDX-EQPT commands.
- This command is not used for SDH (STM) cards. A command on a SONET card will receive an IIAC (Input, Invalid Access identifier) error message. To use a SDH card switching command, use OPR-PROTNSW and RLS-PROTNSW commands.
- If this command is used on a card that is not in a protection group, the SNVS (Status, Not in Valid State) error message should be responded.
- If this command is used on a card that is not in the inhibit state, the SAAL (Status, Already Allowed) error message should be responded.
- The following situation(s) are allowed and will not generate any error response: Sending this command to missing cards so long as none of the previous error conditions apply.

Category

Equipment

Security

Maintenance

Input Format ALW-SWTOPROTN-EQPT:[<TID>]:<AID>:<CTAG>[:<DIRN>];

Input Example ALW-SWTOPROTN-EQPT:CISCO:SLOT-2:123::BTH;

Input Parameters

Table 2-7 ALW-SWTOPROTN-EQPT Input Parameters

Parameter and Values	Description
AID	Access identifier. This parameter can either be the protection unit for which carrying traffic is to be allowed (release of lockout) or the working unit for which switching to protect is to be allowed (release of lock on). Values are in the “25.1.11 EQPT” section on page 25-16
DIRN	The direction relative to the entity defined in the AID field. The direction of the switching. This command only supports one value of the DIRN parameter, BTH. Defaults to BTH Parameter type is DIRECTION—transmit and receive directions
• BTH	Both transmit and receive directions

2.8 ALW-SWTOWKG-EQPT

Allow Switch to Working Equipment

Usage Guidelines

This command allows automatic or manual switching of an equipment unit back to a working status. Use the INH-SWTOWKG-EQPT command to inhibit an NE from switching to working. ALW-SWTOWKG-EQPT is used for electrical cards that can participate in an electrical protection group (for example, E1, E3, E4, and DS3i-N-12).

When this command is given to a working unit, the working unit will be allowed to carry traffic. In the case of revertive protection, the traffic will switch immediately from the protection unit to the working unit regardless of the reversion time setting.

When this command is given to a protection unit, the protection unit will be allowed to switch back to the working unit currently protected as long as the working unit has not raised INH-SWTOWKG. In the case of revertive protection, the traffic will switch immediately from the protection unit to the working unit regardless of the reversion time setting. In the case of non-revertive protection, the protection unit will continue to carry the traffic.

The standing condition of INH-SWTOWKG on the unit specified by the AID will be cleared.



Note

- This command only supports one value of the <DIRN> parameter - BTH. A command with any other value is considered an incorrect use of the command. An IDNV (Input, Data Not Valid) error message should be responded.

- This command is not used for the common control (TCC2/TCC2P or XC-VXL-10G/XC-VXL-2.5G) cards. A command on a common control card will receive an IIAC (Input, Invalid Access Identifier) error message. To use the common control card switching commands, use the SW-DX-EQPT and ALW-SWDX-EQPT commands.
- This command is not used for SDH (STM) cards. A command on a SDH card will receive an IIAC (Input, Invalid Access Identifier) error message. To use a SONET card switching command, use the OPR-PROTNSW and RLS-PROTNSW commands.
- If this command is used on a card that is not in a protection group, the SNVS (Status, Not in Valid State) error message should be responded.
- If this command is used on a card that is not in the inhibit state, the SAAL (Status, Already Allowed) error message should be responded.
- The following situation(s) are allowed and will not generate any error response: sending this command to missing cards as long as none of the previous error conditions apply.

Category Equipment

Security Maintenance

Input Format ALW-SWTOWKG-EQPT:[<TID>]:<AID>:<CTAG>[:<DIRN>];

Input Example ALW-SWTOWKG-EQPT:CISCO:SLOT-2:123::BTH;

Input Parameters

Table 2-8 ALW-SWTOWKG-EQPT Input Parameters

Parameter and Values	Description
AID	Access identifier. This parameter can either be the protection unit for which carrying traffic is to be allowed (release of lockout) or the working unit for which switching to protect is to be allowed (release of lock on). Values are in the “25.1.11 EQPT” section on page 25-16
DIRN	The direction relative to the entity defined in the AID field. The direction of the switching. This command only supports one value of the DIRN parameter, BTH. Defaults to BTH Parameter type is DIRECTION—transmit and receive directions
• BTH	Both transmit and receive directions

2.9 ALW-USER-SECU

Allow User Security

Usage Guidelines

This command enables a userid that has been disabled using the INH-USER-SECU command so the user can reestablish a session with the NE.

Category

Security

Security

Superuser

Input Format

ALW-USER-SECU:[<TID>]::<CTAG>::<UID>;

Input Example

ALW-USER-SECU:PETALUMA::123::UID;

Input Parameters

Table 2-9 ALW-USER-SECU Input Parameters

Parameter and Values	Description
UID	The user identifier (userid) of the person logged in. UID can be a list of userids separated by “&”. The keyword ALL might not be used to specify all users on an NE. String