ALW Commands

This chapter provides ALW (allow) commands for the Cisco ONS 15454, ONS 15327, ONS 15600 and ONS 15310-CL.

2.1 ALW-CONSOLE-PORT

Allow Console Port

Usage Guidelines

Cisco ONS 15454, ONS 15327, ONS 15310-CL

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

Related Commands

ACT-USER	DLT-USER-SECU	RTRV-CMD-SECU
ALW-MSG-SECU	ED-CMD-SECU	ED-PID
ALW-USER-SECU	INH-MSG-SECU	EDU-USER-SECU
CANC	INH-USER-SECU	ENT-USER-SECU
CANC-USER	REPT ALM SEUC	RTRV-DFLT-SECU
CANC-USER-SECU	REPT EVT SECU	RTRV-USER-SECU
CLR-COND-SECU	REPT EVT SESSION	SET-ATTR-SECUDFLT

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 "25.1.13 EQPT" section on page 25-27

2.2 ALW-MSG-ALL

Allow Message All

Usage Guidelines

Cisco ONS 15454, ONS 15327, ONS 15600, ONS 15310-CL

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

Related Commands

ACT-USER	INH-MSG-ALL	RTRV-NE-IPMAP
ALW-MSG-DBCHG	INH-MSG-DBCHG	RTRV-NE-PATH
ALW-MSG-SECU	INH-MSG-SECU	RTRV-NE-SYNCN
ED-DAT	INIT-SYS	RTRV-NE-WDMANS
ED-NE-GEN	RTRV-HDR	RTRV-TOD
ED-NE-PATH	RTRV-INV	SET-TOD
ED-NE-SYNCN	RTRV-NE-GEN	

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

Cisco ONS 15454, ONS 15327, ONS 15600, ONS 15310-CL

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

Related Commands

ACT-USER	INH-MSG-DBCHG	RTRV-NE-GEN
ALW-MSG-ALL	INH-MSG-SECU	RTRV-NE-IPMAP
ALW-MSG-SECU	INIT-SYS	RTRV-NE-PATH
ED-DAT	REPT DBCHG	RTRV-NE-SYNCN
ED-NE-GEN	RTRV-HDR	RTRV-NE-WDMANS
ED-NE-PATH	RTRV-INV	RTRV-TOD
ED-NE-SYNCN	RTRV-LOG	SET-TOD
INH-MSG-ALL		

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

Cisco ONS 15454, ONS 15327, ONS 15600, ONS 15310-CL

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

Category

Security

Security

Superuser

Related Commands

ACT-USER	ED-NE-SYNCN	RTRV-DFLT-SECU
ALW-MSG-ALL	ED-PID	RTRV-HDR
ALW-MSG-DBCHG	ED-USER-SECU	RTRV-INV
ALW-USER-SECU	ENT-USER-SECU	RTRV-NE-GEN
CANC	INH-MSG-ALL	RTRV-NE-IPMAP
CANC-USER	INH-MSG-DBCHG	RTRV-NE-PATH
CANC-USER-SECU	INH-MSG-SECU	RTRV-NE-SYNCN
CLR-COND-SECU	INH-USER-SECU	RTRV-NE-WDMANS
DLT-USER-SECU	INIT-SYS REPT	RTRV-TOD
ED-CMD-SECU	ALM SECU	RTRV-USER-SECU
ED-DAT	REPT EVT SECU	SET-ATTR-SECUDFLT
ED-NE-GEN	REPT EVT SESSION	SET-TOD
ED-NE-PATH	RTRV-CMD-SECU	

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
—	

2.5 ALW-PMREPT-ALL

Allow Performance Report All

Usage Guidelines

Cisco ONS 15454, ONS 15327, ONS 15600, ONS 15310-CL

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

Related Commands

INH-PMREPT-ALL	RTRV-PMMODE-<STS_PATH>	RTRV-TH-ALL
INIT-REG-<MOD2>	RTRV-PMSCHED-<MOD2>	SCHED-PMREPT-<MOD2>
REPT PM <MOD2>	RTRV-PMSCHED-ALL	SET-PMMODE-<STS_PATH>
RTRV-PM-<MOD2>	RTRV-TH-<MOD2>	SET-TH-<MOD2>

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

Cisco ONS 15454

This command allows automatic or manual switching on a duplex system containing duplexed or redundant equipment. To inhibit an NE from 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 XCVT, XC10G and XC-VXC-10G equipment units only in this release.

Category

Equipment

Security

Maintenance

Related Commands

ALW-SWTOPROTN-EQPT	REPT ALM EQPT
ALW-SWTOWKG-EQPT	REPT EVT EQPT
DLT-EQPT	REPT SW
DLT-FFP-<MOD2DWDMPAYLOAD>	RLS-PROTNSW-<OCN_TYPE>
DLT-FFP-<OCN_TYPE>	RTRV-ALM-EQPT
ED-EQPT	RTRV-ALMTH-EQPT
ED-FFP-<MOD2DWDMPAYLOAD>	RTRV-COND-EQPT
ED-FFP-<OCN_TYPE>	RTRV-EQPT
ED-FFP-OCH	RTRV-FFP-<MOD2DWDMPAYLOAD>
ENT-EQPT	RTRV-FFP-<OCN_TYPE>
ENT-FFP-<MOD2DWDMPAYLOAD>	RTRV-FFP-OCH
ENT-FFP-<OCN_TYPE>	RTRV-PROTNSW-<OCN_TYPE>
EX-SW-<OCN_BLSR>	SET-ALMTH-EQPT
INH-SWDX-EQPT	SW-DX-EQPT
INH-SWTOPROTN-EQPT	SW-TOPROTN-EQPT
INH-SWTOWKG-EQPT	SW-TOWKG-EQPT
OPR-PROTNSW-<OCN_TYPE>	

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 XCVT/XC10G/XC-VXC-10G from the "25.1.13 EQPT" section on page 25-27

2.7 ALW-SWTOPROTN-EQPT

Allow Switch to Protection Equipment

Usage Guidelines

Cisco ONS 15454

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 line cards, for example, DS-1, DS-3, DS3XM, and EC-1. DS-1, DS-3 and DS3XM cards have 1:1 and 1:N equipment protection. EC-1 cards have only 1:1 equipment protection. 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 responsed.
- This command is not used for the common control (TCC2/TCC2P or XCVT/XC10G/XC-VXC-10G) 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 OC-N cards. A command on a SONET card will receive an IIAC (Input, Invalid Access identifier) error message. To use a SONET 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 responsed.
- If this command is used on a card that is not in the inhibit state, the SAAL (Status, Already Allowed) error message should be responsed.
- The following situation(s) are allowed and will not generate any error response: Sending this command to cards that have been uninstalled as long as none of the previous error conditions apply.

Category

Equipment

Security

Maintenance

Related Commands

ALW-SWDX-EQPT	REPT ALM EQPT
ALW-SWTOWKG-EQPT	REPT EVT EQPT
DLT-EQPT	REPT SW
DLT-FFP-<MOD2DWDMPAYLOAD>	RLS-PROTNSW-<OCN_TYPE>
DLT-FFP-<OCN_TYPE>	RTRV-ALM-EQPT
ED-EQPT	RTRV-ALMTH-EQPT
ED-FFP-<MOD2DWDMPAYLOAD>	RTRV-COND-EQPT
ED-FFP-<OCN_TYPE>	RTRV-EQPT
ED-FFP-OCH	RTRV-FFP-<MOD2DWDMPAYLOAD>
ENT-EQPT	RTRV-FFP-<OCN_TYPE>
ENT-FFP-<MOD2DWDMPAYLOAD>	RTRV-FFP-OCH
ENT-FFP-<OCN_TYPE>	RTRV-PROTNSW-<OCN_TYPE>
EX-SW-<OCN_BLSR>	SET-ALMTH-EQPT
INH-SWDX-EQPT	SW-DX-EQPT
INH-SWTOPROTN-EQPT	SW-TOPROTN-EQPT
INH-SWTOWKG-EQPT	SW-TOWKG-EQPT
OPR-PROTNSW-<OCN_TYPE>	

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 will be allowed (release of lockout) or the working unit for which switching to protect will be allowed (release of lock on). Values are in the "25.1.13 EQPT" section on page 25-27
DIRN	The direction relative to the entity defined in the AID field. Tthe 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

Cisco ONS 15454

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 line cards, for example, DS-1, DS-3, DS3XM, and EC-1). DS-1, DS-3 and DS3XM cards have 1:1 and 1:N equipment protection. EC-1 cards have only 1:1 equipment protection.

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 INHSWWKG. 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 INHSWWKG 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 an incorrect use of the command. An IDNV (Input, Data Not Valid) error message should be returned.
- This command is not used for the common control (TCC2/TCC2P or XCVT/XC10G) 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 OC-N cards. A command on an optical card will receive an IIAC (Input, Invalid Access Identifier) error message. For OC-N cards, 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 returned.
- If this command is used on a card that is not in the inhibit state, the SAAL (Status, Already Allowed) error message should be returned.
- The following situation(s) are allowed and will not generate any error response: sending this command to cards that have been uninstalled as long as none of the previous error conditions apply.

Category

Equipment

Security

Maintenance

Related Commands

ALW-SWDX-EQPT	REPT ALM EQPT
ALW-SWTOPROTN-EQPT	REPT EVT EQPT
DLT-EQPT	REPT SW
DLT-FFP-<MOD2DWDMPAYLOAD>	RLS-PROTNSW-<OCN_TYPE>
DLT-FFP-<OCN_TYPE>	RTRV-ALM-EQPT
ED-EQPT	RTRV-ALMTH-EQPT
ED-FFP-<MOD2DWDMPAYLOAD>	RTRV-COND-EQPT
ED-FFP-<OCN_TYPE>	RTRV-EQPT
ED-FFP-OCH	RTRV-FFP-<MOD2DWDMPAYLOAD>
ENT-EQPT	RTRV-FFP-<OCN_TYPE>
ENT-FFP-<MOD2DWDMPAYLOAD>	RTRV-FFP-OCH
ENT-FFP-<OCN_TYPE>	RTRV-PROTNSW-<OCN_TYPE>
EX-SW-<OCN_BLSR>	SET-ALMTH-EQPT
INH-SWDX-EQPT	SW-DX-EQPT
INH-SWTOPROTN-EQPT	SW-TOPROTN-EQPT
INH-SWTOWKG-EQPT	SW-TOWKG-EQPT
OPR-PROTNSW-<OCN_TYPE>	

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 will be allowed (release of lockout) or the working unit for which switching to protect will be allowed (release of lock on). Values are in the "25.1.13 EQPT" section on page 25-27
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

Cisco ONS 15454, ONS 15327, ONS 15600, ONS 15310-CL

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

Related Commands

ACT-USER	ED-CMD-SECU	REPT EVT SECU
ALW-MSG-SECU	ED-PID	REPT EVT SESSION
CANC	ED-USER-SECU	RTRV-CMD-SECU
CANC-USER	ENT-USER-SECU	RTRV-DFLT-SECU
CANC-USER-SECU	INH-MSG-SECU	RTRV-USER-SECU
CLR-COND-SECU	INH-USER-SECU	SET-ATTR-SECUDFLT
DLT-USER-SECU	REPT ALM SECU	

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 cannot be used to specify all users on an NE. String