

This chapter describes the access identifiers (AIDs) of TL1 commands and autonomous messages for the Cisco ONS 15454, Cisco ONS 15310-CL, Cisco ONS 15310-MA, and Cisco ONS 15600.

The AID code directs an input command to its intended physical or data entity inside the network element (NE). Equipment modules and facilities are typical examples of entities addressed by the access code. The AIDs in this section apply to the SONET ONS 15454, ONS 15310-CL, ONS 15310-MA, and ONS 15600, except where noted.

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## ALL

Table 26-1: ALL

AID	Pattern
AidUnionId	FACILITY  STS  VT
AidUnionId1	BLSR
BAND	ALL  BAND[-{1-12}]-{1-6,12-17}-{1-4}-ALL  BAND[-{1-12}]-{1-6,12-17}-{1-4}-{RX,TX}  BAND[-{1-12}]-{1-6,12-17}-{1}-ALL  BAND[-{1-12}]-{1-6,12-17}-{1}-{RX,TX}
BANDWL	BANDWL-{1-6,12-17}-{1-32}-{RX,TX}-1530.33  BANDWL-{1-6,12-17}-{1-32}-{RX,TX}-ALL

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	BANDWL-{{1-12}}-{{1-6,12-17}}-{{1-32}}-{{RX,TX,PT}}-<WLEN> BANDWL-{{1-12}}-{{1-6,12-17}}-{{1-32}}-{{RX,TX,PT}}-ALL	
BITS	ALL BITS-ALL BITS[<SHELFID>]-ALL BITS[<SHELFID>]-{1,2} SYNC[<SHELFID>]-BITS{1,2}	
BLSR	BLSR-RINGID	
CHANNEL	ALL CHAN[-{{1-12}}]-{{1-6,12-17}}-ALL CHAN[-{{1-12}}]-{{1-6,12-17}}-{{1-32}}-ALL CHAN[-{{1-12}}]-{{1-6,12-17}}-{{1-32}}-{{RX,TX}} CHAN[-{{1-12}}]-{{1-6,12-17}}-{{1-32}}-{{RX,PT}} CHAN[-{{1-12}}]-{{1-5,12-16}}-{{1-40}}-ALL CHAN[-{{1-12}}]-{{1-5,12-16}}-{{1-40}}-{{RX,TX}} CHAN[-{{1-12}}]-{{1-5,12-16}}-{{1-40}}-{{RX,PT}} CHAN[-{{1-12}}]-{{1-6,12-17}}-{{1-4}}-ALL CHAN[-{{1-12}}]-{{1-6,12-17}}-{{1-4}}-{{RX,TX}}	CHAN[-{{1-12}}]-{{1-6,12-17}}-ALL CHAN[-{{1-12}}]-{{1-6,12-17}}-{{1-32}}-ALL CHAN[-{{1-12}}]-{{1-6,12-17}}-{{1-32}}-{{RX,TX}} CHAN[-{{1-12}}]-{{1-6,12-17}}-{{1-32}}-{{RX,PT}} CHAN[-{{1-12}}]-{{1-5,12-16}}-{{1-40}}-ALL CHAN[-{{1-12}}]-{{1-5,12-16}}-{{1-40}}-{{RX,TX}} CHAN[-{{1-12}}]-{{1-5,12-16}}-{{1-40}}-{{RX,PT}} CHAN[-{{1-12}}]-{{1-6,12-17}}-{{1-4}}-ALL CHAN[-{{1-12}}]-{{1-6,12-17}}-{{1-4}}-{{RX,TX}}
COM	Common	
CrossConnectId	FACILITY STS	
CrossConnectId1	VCM FACILITY STS VT	
DS1	ALL DS1-{{1-6,12-17}}-{{1-12,13,15,17,19,21,23,25,27,29,31,33,35}}-{{1-28}} DS1-{{1-6,12-17}}-{{1-12,13,15,17,19,21,23}}-{{1-28}} DS1-{{1-6,12-17}}-{{1-6}}-{{1-28}}	
ENV	ALL	ENV-IN[-{{1-12}}]-{{1-6,12-17}}-{{1-32}}-{{RX,TX,PT}}-ALL

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	<p>ENV-IN-ALL</p> <p>ENV-IN[-{1-12}]-ALL</p> <p>ENV-IN[-{1-12}]-{1-20}</p> <p>ENV-IN[-{1-12}]-{1-32}</p> <p>ENV-IN[-{1-12}]-{1-3}</p> <p>ENV-IN[-{1-12}]-{1-4}</p>	<p>ENV-OUT-ALL</p> <p>ENV-OUT[-{1-12}</p> <p>ENV-OUT[-{1-12}</p> <p>ENV-OUT[-{1-12}</p> <p>ENV-OUT[-{1-12}</p> <p>ENV-OUT[-{1-12}</p> <p>ENV-OUT[-{1-12}</p>
EQPT	<p>ALL</p> <p>AIP-ALL</p> <p>AIP[-{1-12}]</p> <p>BIC-ALL</p> <p>BIC[-{1-12}]-ALL</p> <p>BIC[-{1-12}]-{A,B}</p> <p>BP-ALL</p> <p>BP[-{1-12}]</p> <p>FAN-ALL</p> <p>FAN[-{1-12}]</p> <p>PIM[-{1-12}]-{1-4,11-14}-ALL</p> <p>PIM[-{1-12}]-{1-4,11-14}-{1-4}</p> <p>PPM[-{1-12}]-1-{1,2}</p> <p>PPM[-{1-12}]-2-{1,2}</p> <p>PPM[-{1-12}]-{1-4,11-14}-{1-4}-ALL</p>	<p>PPM[-{1-12}]-{1-4}</p> <p>PPM[-{1-12}]-{1-6}</p> <p>PPM[-{1-12}]-{1-6}</p> <p>PWR-ALL</p> <p>PWR[-{1-12}]-ALL</p> <p>PWR[-{1-12}]-{A,</p> <p>SLOT-ALL</p> <p>SLOT[-{1-12}]-ALL</p> <p>SLOT[-{1-12}]-{1-</p> <p>SLOT[-{1-12}]-{1-</p> <p>SLOT[-{1-12}]-{1-</p> <p>SLOT[-{1-12}]-{1-</p> <p>SLOT[-{1-12}]-{1-</p> <p>SLOT[-{1-12}]-{1-</p> <p>SLOT[-{1-12}]-{1-</p> <p>SLOT[-{1-12}]-{1-</p>
FACILITY	<p>ALL</p> <p>EC1-{1,2,5,6}-{1-3}</p> <p>EC1-{2}-{1-3}</p> <p>FAC[-{1-12}]-{1-4,11-14}-ALL</p> <p>FAC[-{1-12}]-{1-4,11-14}-{1-16}</p> <p>FAC[-{1-12}]-{1-4,11-14}-{1-4}</p>	<p>FAC[-{1-12}]-{5-6}</p> <p>FAC[-{1-12}]-{8,1</p> <p>FSSTE-{1,2,5,6}-{0-</p> <p>FSSTE-{1,2,5,6}-{1-</p> <p>FSSTE-{1}-{0-7}</p> <p>FSSTE-{1}-{1-8}</p>

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	<p>FAC[-{1-12}]-{1-4,11-14}-{1-4}-{1-4}-{1}</p> <p>FAC[-{1-12}]-{1-4,14-17}-{1-8}</p> <p>FAC[-{1-12}]-{1-4}-1</p> <p>FAC[-{1-12}]-{1-4}-{1-4}</p> <p>FAC[-{1-12}]-{1-6,12-17}-1</p> <p>FAC[-{1-12}]-{1-6,12-17}-ALL</p> <p>FAC[-{1-12}]-{1-6,12-17}-{0-11}</p> <p>FAC[-{1-12}]-{1-6,12-17}-{0-1}</p> <p>FAC[-{1-12}]-{1-6,12-17}-{1-12,14,16,18,20,22, 24,26,28,30,32,34,36}</p> <p>FAC[-{1-12}]-{1-6,12-17}-{1-12,14,16,18,20,22, 24}</p> <p>FAC[-{1-12}]-{1-6,12-17}-{1-12}</p> <p>FAC[-{1-12}]-{1-6,12-17}-{1-4}</p> <p>FAC[-{1-12}]-{1-6,12-17}-{1-6}</p> <p>FAC[-{1-12}]-{1-6,12-17}-{1}</p> <p>FAC[-{1-12}]-{1-6}-ALL</p> <p>FAC[-{1-12}]-{5,6,12,13}-{1}</p> <p>FAC[-{1-12}]-{5-6}-{1-28}</p>	<p>OC12-{2}-{1-2}-{1}</p> <p>OC12-{3,4}-{1-2}-{1}</p> <p>OC3-{2}-{1-2}-{1}</p> <p>OC3-{3,4}-{1-2}-{1}</p> <p>OC48-{3,4}-{1-2}-{1}</p> <p>T1-{1,2,5,6}-{1-28}</p> <p>T1-{1,2,5,6}-{1-84}</p> <p>T1-{2}-{1-21}</p> <p>T3-{1,2,5,6}-{1-3}</p> <p>T3-{2}-{1-3}</p> <p>VFAC-{1,2,5,6}-{1-28}</p> <p>VFAC-{1,2,5,6}-{1-84}</p> <p>VFAC[-{1-12}]-{1-28}</p> <p>VFAC[-{1-12}]-{1-84}</p> <p>VFAC[-{1-12}]-{1-21}</p> <p>VFAC[-{1-12}]-{1-3}</p> <p>VFAC[-{1-12}]-{1-3}</p> <p>VFAC[-{1-12}]-{1-28}</p> <p>VFAC[-{1-12}]-{1-84}</p>
IPADDR	111.222.333.444	
LINE	<p>LINE[-{1-12}]-{1-6,12-17}-{1-2}-ALL</p> <p>LINE[-{1-12}]-{1-6,12-17}-{1-2}-{RX,TX}</p> <p>LINE[-{1-12}]-{1-6,12-17}-{1-3}-ALL</p> <p>LINE[-{1-12}]-{1-6,12-17}-{1-3}-{RX,TX}</p> <p>LINE[-{1-12}]-{8,10}-{1}-ALL</p> <p>LINE[-{1-12}]-{8,10}-{1}-{RX,TX}</p> <p>LINE-{{1-12}]-{1-6,12-17}-{1}-{RX,TX}(COM)</p>	

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	<p>LINE-{{1-12}}-{{1-6,12-17}}-{{2}}-{{RX,TX}}(OSC)</p> <p>LINE-{{1-12}}-{{1-6,12-17}}-{{3}}-{{RX,TX}}(LINE)</p> <p>LINE-{{1-12}}-{{1-6,12-17}}-{{1-3}}-ALL</p> <p>LINE-{{1-12}}-{{1-6,12-17}}-{{1}}-{{RX,TX}}(LINE)</p> <p>LINE-{{1-12}}-{{1-6,12-17}}-{{2}}-{{RX,TX}}(COM)</p> <p>LINE-{{1-12}}-{{1-6,12-17}}-{{3}}-{{RX,TX}}(OSC)</p> <p>LINE-{{1-12}}-{{1-6,12-17}}-{{4}}-{{RX,TX}}(DC)</p> <p>LINE-{{1-12}}-{{1-6,12-17}}-{{1-4}}-ALL</p> <p>LINE-{{1-12}}-{{1-6,12-17}}-1-RX (For input OTS)</p> <p>LINE-{{1-12}}-{{1-6,12-17}}-1-ALL</p> <p>CHAN-{{1-12}}-{{1-6,12-17}}-{{1-32}}-TX (For drop OCH)</p> <p>CHAN-{{1-12}}-{{1-6,12-17}}-{{1-32}}-ALL</p> <p>LINE-{{1-12}}-{{1-5,12-16}}-{{1}}-{{RX,TX}} (EXP)</p> <p>LINE-{{1-12}}-{{1-5,12-16}}-{{2}}-{{RX,TX}} (COM)</p> <p>LINE-{{1-12}}-{{1-5,12-16}}-{{3}}-{{TX}} (DROP)</p> <p>LINE-{{1-12}}-{{1-5,12-16}}-{{1-3}}-ALL</p> <p>CHAN-{{1-12}}-{{1-5,12-16}}-{{1-32}}-{{RX}} (ADD)</p> <p>CHAN-{{1-12}}-{{1-5,12-16}}-{{1-32}}-{{PT}} (PT)</p> <p>CHAN-{{1-12}}-{{1-5,12-16}}-{{1-32}}-ALL</p> <p>LINE-{{1-12}}-{{1-6,12-17}}-{{1}}-{{RX,TX}} (EXP)</p> <p>LINE-{{1-12}}-{{1-6,12-17}}-{{2}}-{{RX,TX}} (COM)</p> <p>LINE-{{1-12}}-{{1-6,12-17}}-{{3}}-{{RX,TX}} (EXP to other ring)</p> <p>LINE-{{1-12}}-{{1-6,12-17}}-{{1-3}}-ALL</p>	
LINEWL	<p>LINEWL[-{{1-12}}]-{{1-6,8,10,12-17}}-ALL</p> <p>LINEWL[-{{1-12}}]-{{1-6,12-17}}-{{1}}-{{RX,TX}}-ALL</p> <p>LINEWL[-{{1-12}}]-{{1-6,12-17}}-{{1}}-{{RX,TX}}-&lt;WLEN&gt;</p> <p>LINEWL[-{{1-12}}]-{{1-6,12-17}}-{{1-3}}-{{RX,TX}}-ALL</p>	<p>LINEWL[-{{1-12}}]-</p> <p>LINEWL[-{{1-12}}]-</p> <p>LINEWL[-{{1-12}}]-</p> <p>LINEWL[-{{1-12}}]-</p>

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	<p>STS-{1,2,5,6}-{1-3}-1</p> <p>STS-{1-4,11-14}-{1-16}-1</p> <p>STS-{1-4,11-14}-{1-16}-ALL</p> <p>STS-{1-4,11-14}-{1-16}-{1,13,25,37}</p> <p>STS-{1-4,11-14}-{1-16}-{1,25}</p> <p>STS-{1-4,11-14}-{1-16}-{1,4,7,10,-,46}</p> <p>STS-{1-4,11-14}-{1-4}-1</p> <p>STS-{1-4,11-14}-{1-4}-ALL</p> <p>STS-{1-4,11-14}-{1-4}-{1,13,25,37,-,181}</p> <p>STS-{1-4,11-14}-{1-4}-{1,25,49,73,-,169}</p> <p>STS-{1-4,11-14}-{1-4}-{1,4,7,10,-,190}</p> <p>STS-{1-4,11-14}-{1-4}-{1,49,97,145}</p> <p>STS-{1-4,11-14}-{1-4}-{1,4}-{1}</p> <p>STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,13,25,37}</p>
STS (continued)	<p>STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,25}</p> <p>STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,4,13,16,25,28,37,40}</p> <p>STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,4,7,10,13,16,19,22,25,28,31,34,37,40,43,46}</p> <p>STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,4,7}</p> <p>STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,4}</p> <p>STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1-12}</p> <p>STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1-3}</p> <p>STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1-48}</p> <p>STS-{1-4,11-14}-{1-4}-{1-192}</p> <p>STS-{1-4,11-14}-{1-4}-{1-4}-{1}-ALL</p> <p>STS-{1-4,11-14}-{1-4}-{1-4}-{1}-{1,4,7,13,16,19,25,28,31,43}</p> <p>STS-{1-4,14-17}-{1-16}-{1-48}</p> <p>STS-{1-4,14-17}-{1-4}-1</p>

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	<p>STS-{1-4,14-17}-{1-4}-ALL</p> <p>STS-{1-4,14-17}-{1-4}-{1,4,7,10}</p> <p>STS-{1-4,14-17}-{1-4}-{1,4,7}</p> <p>STS-{1-4,14-17}-{1-4}-{1-3}</p> <p>STS-{1-4,14-17}-{1-8}-1</p> <p>STS-{1-4,14-17}-{1-8}-ALL</p> <p>STS-{1-4,14-17}-{1-8}-{1-3}</p> <p>STS-{1-4}-1-1</p> <p>STS-{1-4}-1-ALL</p> <p>STS-{1-4}-1-{1,13,25,37}</p> <p>STS-{1-4}-1-{1,4,7,10,-,46}</p> <p>STS-{1-4}-1-{1,4,7,10}</p> <p>STS-{1-4}-1-{1,7,13,19,-,43}</p> <p>STS-{1-4}-1-{1,7}</p> <p>STS-{1-4}-1-{1-12}</p> <p>STS-{1-4}-1-{1-48}</p> <p>STS-{1-6,12-17}-1</p> <p>STS-{1-6,12-17}-1-1</p> <p>STS-{1-6,12-17}-1-ALL</p> <p>STS-{1-6,12-17}-1-{1,13,25,37}</p> <p>STS-{1-6,12-17}-1-{1,4,10,13,16,19,25,28,37,40}</p> <p>STS-{1-6,12-17}-1-{1,4,7,10,13,16,19,22,25}</p>
STS (continued)	<p>STS-{1-6,12-17}-1-{1,4,7,10-46}</p> <p>STS-{1-6,12-17}-1-{1,4,7,10}</p> <p>STS-{1-6,12-17}-1-{1,4,7,13,16,19,25,28,37,40,43}</p> <p>STS-{1-6,12-17}-1-{1,4,7}</p> <p>STS-{1-6,12-17}-1-{1,4}</p>

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STS-{1-6,12-17}-1-{1-12}  
 STS-{1-6,12-17}-1-{1-48}  
 STS-{1-6,12-17}-ALL  
 STS-{1-6,12-17}-{1-12}-1  
 STS-{1-6,12-17}-{1-24}-1  
 STS-{1-6,12-17}-{1-36}-1  
 STS-{1-6,12-17}-{1-4}-1  
 STS-{1-6,12-17}-{1-4}-ALL  
 STS-{1-6,12-17}-{1-4}-{1,4,7,10-46}  
 STS-{1-6,12-17}-{1-4}-{1,4,7}  
 STS-{1-6,12-17}-{1-4}-{1,4}  
 STS-{1-6,12-17}-{1-4}-{1-12}  
 STS-{1-6,12-17}-{1-6}  
 STS-{2}-{1-2}-{1}-{1,4,7,10}  
 STS-{2}-{1-2}-{1}-{1,7}  
 STS-{2}-{1-2}-{1}-{1-12}  
 STS-{2}-{1-2}-{1}-{1-3}  
 STS-{2}-{1-2}-{1}-{1}  
 STS-{2}-{1-3}-{1}  
 STS-{2}-{1}  
 STS-{3,4}-{1,2}-1-{1-12}  
 STS-{3,4}-{1,2}-1-{1-3}  
 STS-{3,4}-{1,2}-1-{1-48}  
 STS-{5,6,12,13}-1-1  
 STS-{5,6,12,13}-1-{1,13,25,37-180}  
 STS-{5,6,12,13}-1-{1,13,25,37}  
 STS-{5,6,12,13}-1-{1,4,7,10,13,16,19,22,25}

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	STS-{5,6,12,13}-1-{1,4,7,10-190}	
	STS-{5,6,12,13}-1-{1,4,7,10-46}	
	STS-{5,6,12,13}-1-{1,4,7,13,16,19,25,28,37,40,43}	
STS (continued)	STS-{5,6,12,13}-1-{1,49,97,145}	
	STS-{5,6,12,13}-1-{1-192}	
	STS-{5,6,12,13}-1-{1-48}	
	STS-{5,6}-1	
	STS-{5,6}-{1-4}-1	
	STS-{5-6}-ALL	
	VFAC-{1-6,12-17}-{0-1}	
SYN	SYNC-NE	
SYN_SRC	BITS-1	FAC-{5,6,12,13}-{
	BITS-2	INTERNAL
	FAC-{1-4,11-14}-{1-16}	NONE
	FAC-{1-4,11-14}-{1-4}	OC12-{2}-{1-2}-{
	FAC-{1-4}-1	OC3-{2}-{1-2}-{1
	FAC-{1-4}-{1-4}	SYNC-NE
	FAC-{1-6,12-17}-{1-4}	T1-{2}-{1-21}
	FAC-{1-6,12-17}-{1}	
SYNC_REF	SYNC-ALL	
	SYNC-NE	
	SYNC-{BITS1,BITS2}	
SYNCSW	INT	
	PRI	
	SEC	
UDC	UDC-{F,DCC}-{A,B}	
VT	VT1-{1,2,5,6}-1-{1-7}-{1-4}	VT1-{2}-{1-2}-{1
	VT1-{1,2,5,6}-{1-3}-1-{1-7}-{1-4}	VT1-{2}-{1-3}-{1
	VT1-{1,2,5,6}-{1-3}-{1-7}-{1-4}	VT1-{2}-{1}-{1-7}

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	VT1-{1-4,14-17}-{1-8}-{1-3}-{1-7}-{1-4}	VT1-{3,4}-{1-2}-{1-4}
	VT1-{1-4}-1-{1-12}-{1-7}-{1-4}	VT1-{3,4}-{1-2}-{1-4}
	VT1-{1-4}-1-{1-48}-{1-7}-{1-4}	VT1-{3,4}-{1-2}-{1-4}
	VT1-{1-4}-{1-4}-{1-3}-{1-7}-{1-4}	VT1-{5,6,12,13}-1-4
	VT1-{1-6,12-17}-1-{1-12}-{1-7}-{1-4}	VT1-{5,6,12,13}-1-4
	VT1-{1-6,12-17}-1-{1-48}-{1-7}-{1-4}	VT1-{5-6}-1-{1-7}
	VT1-{1-6,12-17}-1-{1-7}-{1-2}	VT1-{5-6}-1-{1-7}
	VT1-{1-6,12-17}-{1-12}-1-{1-7}-{1-4}	VT2-{1-4,14-17}-{1-4}
	VT1-{1-6,12-17}-{1-24}-1-{1-7}-{1-4}	VT2-{1-6,12-17}-1-4
	VT1-{1-6,12-17}-{1-36}-1-{1-7}-{1-4}	VT2-{1-6,12-17}-1-4
	VT1-{1-6,12-17}-{1-4}-{1-12}-{1-7}-{1-4}	VT2-{1-6,12-17}-1-4
	VT1-{1-6,12-17}-{1-4}-{1-3}-{1-7}-{1-4}	VT2-{1-6,12-17}-1-4
	VT1-{1-6,12-17}-{1-6}-{1-7}-{1-4}	VT2-{5,6,12,13}-1-4
	VT1-{2}-{1-2}-{1-12}-{1-7}-{1-4}	VT2-{5,6,12,13}-1-4
WDMANS	AONS-{E,W}	
	WDMANS-{E,W}	
WLEN	WLEN-{E,W}-{ADD,DROP,EXP}-{1530.33,1531.12,1531.90,1532.68,1534.25,1535.04,1535.82,1536.61,1538.19,1538.98,1539.77,1540.56,1542.14,1542.94,1543.73,1544.53,1546.12,1546.92,1547.72,1548.51,1550.12,1550.92,1551.72,1552.52,1554.13,1554.94,1555.75,1556.53}	

## AidUnionId

Table 26-2: AidUnionId

AID	Pattern	
Facility	ALL	FAC-{5-6}-{1-3}
	EC1-{1,2,5,6}-{1-3}	FAC-{8,10}-{1}
	EC1-{2}-{1-3}	FSTE-{1,2,5,6}-{0-7}
	FAC-{1-4,11-14}-ALL	FSTE-{1,2,5,6}-{1-8}
	FAC-{1-4,11-14}-{1-16}	FSTE-{1}-{0-7}
	FAC-{1-4,11-14}-{1-4}	FSTE-{1}-{1-8}
	FAC-{1-4,11-14}-{1-4}-{1-4}-{1}	OC12-{2}-{1-2}-{1}

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	FAC-{1-4,14-17}-{1-8}	OC12-{3,4}-{1-2}-{1}
	FAC-{1-4}-1	OC3-{2}-{1-2}-{1}
	FAC-{1-4}-{1-4}	OC3-{3,4}-{1-2}-{1}
	FAC-{1-6,12-17}-1	T1-{1,2,5,6}-{1-28}
	FAC-{1-6,12-17}-ALL	T1-{1,2,5,6}-{1-84}
	FAC-{1-6,12-17}-{0-11}	T1-{2}-{1-21}
	FAC-{1-6,12-17}-{0-1}	T3-{1,2,5,6}-{1-3}
	FAC-{1-6,12-17}-{1-12,14,16,18,20,22,24,26,28,30,32,34,36}	T3-{2}-{1-3}
	FAC-{1-6,12-17}-{1-12,14,16,18,20,22,24}	VFAC-{1,2,5,6}-{0-1}
	FAC-{1-6,12-17}-{1-12}	VFAC-{1,2,5,6}-{1-8}
	FAC-{1-6,12-17}-{1-4}	VFAC-{1-4,11-14}-{1-4}-{1-4}-1
	FAC-{1-6,12-17}-{1-6}	VFAC-{1-6,12-17}-{0-1}
	FAC-{1-6,12-17}-{1}	VFAC-{1-6,12-17}-{1,2}
	FAC-{1-6}-ALL	VFAC-{1-6,12-17}-{1,2}-{1,8}
	FAC-{5,6,12,13}-{1}	VFAC-{1}-{0-1}
	FAC-{5-6}-{1-28}	VFAC-{1}-{1-8}
STS	FAC-{1-4,11-14}-{1-4}-{1-4}-{1}	
	FAC-{1-6,12-17}-{1-4}	
	STS-{1,2,5,6}-1	
	STS-{1,2,5,6}-{1-3}	
	STS-{1,2,5,6}-{1-3}-1	
	STS-{1-4,11-14}-{1-16}-1	
	STS-{1-4,11-14}-{1-16}-ALL	
	STS-{1-4,11-14}-{1-16}-{1,13,25,37}	
	STS-{1-4,11-14}-{1-16}-{1,25}	
STS (continued)	STS-{1-4,11-14}-{1-16}-{1,4,7,10,-,46}	
	STS-{1-4,11-14}-{1-4}-1	

Table 26-2: AidUnionId

STS-{1-4,11-14}-{1-4}-ALL
STS-{1-4,11-14}-{1-4}-{1,13,25,37,-,181}
STS-{1-4,11-14}-{1-4}-{1,25,49,73,-,169}
STS-{1-4,11-14}-{1-4}-{1,4,7,10,-,190}
STS-{1-4,11-14}-{1-4}-{1,49,97,145}
STS-{1-4,11-14}-{1-4}-{1,4}-{1}
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,13,25,37}
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,25}
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,4,13,16,25,28,37,40}
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,4,7,10,13,16,19,22,25,28,31,34,37,40,43,46}
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,4,7}
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,4}
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1-12}
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1-3}
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1-48}
STS-{1-4,11-14}-{1-4}-{1-192}
STS-{1-4,11-14}-{1-4}-{1-4}-{1}-ALL
STS-{1-4,11-14}-{1-4}-{1-4}-{1}-{1,4,7,13,16,19,25,28,31,43}
STS-{1-4,14-17}-{1-16}-{1-48}
STS-{1-4,14-17}-{1-4}-1
STS-{1-4,14-17}-{1-4}-ALL
STS-{1-4,14-17}-{1-4}-{1,4,7,10}
STS-{1-4,14-17}-{1-4}-{1,4,7}
STS-{1-4,14-17}-{1-4}-{1-3}
STS-{1-4,14-17}-{1-8}-1
STS-{1-4,14-17}-{1-8}-ALL
STS-{1-4,14-17}-{1-8}-{1-3}

Table 26-2: AidUnionId

	STS-{1-4}-1-1	
	STS-{1-4}-1-ALL	
	STS-{1-4}-1-{1,13,25,37}	
	STS-{1-4}-1-{1,4,7,10,-,46}	
STS (continued)	STS-{1-4}-1-{1,4,7,10}	
	STS-{1-4}-1-{1,7,13,19,-,43}	
	STS-{1-4}-1-{1,7}	
	STS-{1-4}-1-{1-12}	
	STS-{1-4}-1-{1-48}	
	STS-{1-6,12-17}-1	
	STS-{1-6,12-17}-1-1	
	STS-{1-6,12-17}-1-ALL	
	STS-{1-6,12-17}-1-{1,13,25,37}	
	STS-{1-6,12-17}-1-{1,4,10,13,16,19,25,28,37,40}	
	STS-{1-6,12-17}-1-{1,4,7,10,13,16,19,22,25}	
	STS-{1-6,12-17}-1-{1,4,7,10-46}	
	STS-{1-6,12-17}-1-{1,4,7,10}	
	STS-{1-6,12-17}-1-{1,4,7,13,16,19,25,28,37,40,43}	
	STS-{1-6,12-17}-1-{1,4,7}	
	STS-{1-6,12-17}-1-{1,4}	
	STS-{1-6,12-17}-1-{1-12}	
	STS-{1-6,12-17}-1-{1-48}	
	STS-{1-6,12-17}-ALL	
	STS-{1-6,12-17}-{1-12}-1	
	STS-{1-6,12-17}-{1-24}-1	
	STS-{1-6,12-17}-{1-36}-1	
	STS-{1-6,12-17}-{1-4}-1	

Table 26-2: AidUnionId

	<p>STS-{1-6,12-17}-{1-4}-ALL</p> <p>STS-{1-6,12-17}-{1-4}-{1,4,7,10-46}</p> <p>STS-{1-6,12-17}-{1-4}-{1,4,7}</p> <p>STS-{1-6,12-17}-{1-4}-{1,4}</p> <p>STS-{1-6,12-17}-{1-4}-{1-12}</p> <p>STS-{1-6,12-17}-{1-6}</p> <p>STS-{2}-{1-2}-{1}-{1,4,7,10}</p> <p>STS-{2}-{1-2}-{1}-{1,7}</p> <p>STS-{2}-{1-2}-{1}-{1-12}</p> <p>STS-{2}-{1-2}-{1}-{1-3}</p> <p>STS-{2}-{1-2}-{1}-{1}</p> <p>STS-{2}-{1-3}-{1}</p>	
STS (continued)	<p>STS-{2}-{1}</p> <p>STS-{3,4}-{1,2}-1-{1-12}</p> <p>STS-{3,4}-{1,2}-1-{1-3}</p> <p>STS-{3,4}-{1,2}-1-{1-48}</p> <p>STS-{5,6,12,13}-1-1</p> <p>STS-{5,6,12,13}-1-{1,13,25,37-180}</p> <p>STS-{5,6,12,13}-1-{1,13,25,37}</p> <p>STS-{5,6,12,13}-1-{1,4,7,10,13,16,19,22,25}</p> <p>STS-{5,6,12,13}-1-{1,4,7,10-190}</p> <p>STS-{5,6,12,13}-1-{1,4,7,10-46}</p> <p>STS-{5,6,12,13}-1-{1,4,7,13,16,19,25,28,37,40,43}</p> <p>STS-{5,6,12,13}-1-{1,49,97,145}</p> <p>STS-{5,6,12,13}-1-{1-192}</p> <p>STS-{5,6,12,13}-1-{1-48}</p> <p>STS-{5,6}-1</p>	

Table 26-2: AidUnionId

	<p>STS-{5,6}-{1-4}-1</p> <p>STS-{5-6}-ALL</p> <p>VFAC-{1-6,12-17}-{0-1}</p>	
VT	<p>ALL</p> <p>VT1-{1,2,5,6}-1-{1-7}-{1-4}</p> <p>VT1-{1,2,5,6}-{1-3}-1-{1-7}-{1-4}</p> <p>VT1-{1,2,5,6}-{1-3}-{1-7}-{1-4}</p> <p>VT1-{1-4,14-17}-{1-8}-{1-3}-{1-7}-{1-4}</p> <p>VT1-{1-4}-1-{1-12}-{1-7}-{1-4}</p> <p>VT1-{1-4}-1-{1-48}-{1-7}-{1-4}</p> <p>VT1-{1-4}-{1-4}-{1-3}-{1-7}-{1-4}</p> <p>VT1-{1-6,12-17}-1-{1-12}-{1-7}-{1-4}</p> <p>VT1-{1-6,12-17}-1-{1-48}-{1-7}-{1-4}</p> <p>VT1-{1-6,12-17}-1-{1-7}-{1-2}</p> <p>VT1-{1-6,12-17}-{1-12}-1-{1-7}-{1-4}</p> <p>VT1-{1-6,12-17}-{1-24}-1-{1-7}-{1-4}</p> <p>VT1-{1-6,12-17}-{1-36}-1-{1-7}-{1-4}</p> <p>VT1-{1-6,12-17}-{1-4}-{1-12}-{1-7}-{1-4}</p> <p>VT1-{1-6,12-17}-{1-4}-{1-3}-{1-7}-{1-4}</p>	
VT (continued)	<p>VT1-{1-6,12-17}-{1-6}-{1-7}-{1-4}</p> <p>VT1-{2}-{1-2}-{1}-{1-12}-{1-7}-{1-4}</p> <p>VT1-{2}-{1-2}-{1}-{1-3}-{1-7}-{1-4}</p> <p>VT1-{2}-{1-3}-{1}-{1-7}-{1-4}</p> <p>VT1-{2}-{1}-{1-7}-{1-3}</p> <p>VT1-{3,4}-{1-2}-{1}-{1-12}-{1-7}-{1-4}</p> <p>VT1-{3,4}-{1-2}-{1}-{1-3}-{1-7}-{1-4}</p> <p>VT1-{3,4}-{1-2}-{1}-{1-48}-{1-7}-{1-4}</p>	

Table 26-2: AidUnionId

VT1-{5,6,12,13}-1-{1-192}-{1-7}-{1-4}
VT1-{5,6,12,13}-1-{1-48}-{1-7}-{1-4}
VT1-{5-6}-1-{1-7}-{1-2}
VT1-{5-6}-1-{1-7}-{1-4}
VT2-{1-4,14-17}-{1-8}-{1-3}-{1-7}-{1-3}
VT2-{1-6,12-17}-1-{1-12}-{1-7}-{1-3}
VT2-{1-6,12-17}-1-{1-48}-{1-7}-{1-3}
VT2-{1-6,12-17}-{1-4}-{1-12}-{1-7}-{1-3}
VT2-{1-6,12-17}-{1-4}-{1-3}-{1-7}-{1-3}
VT2-{5,6,12,13}-1-{1-192}-{1-7}-{1-3}
VT2-{5,6,12,13}-1-{1-48}-{1-7}-{1-3}

## AidUnionId1

Table 26-3: AidUnionId1

AID	Patterns
BLSR	ALL
	BLSR-RINGID

## BAND

(Cisco ONS 15454 only) The BAND AID is used to access Optical Multiplex Section (OMS) layer of optical networking units.

Table 26-4: BAND

Pattern	Description
ALL	All of the OMSs of the NE. The ALL AID is applicable for retrieve-only commands.
BAND[-{1-12}]{1-6,12-17}{1-4}-ALL	All the channels in a Band OADM (1Bn, 4Bn) unit.
BAND[-{1-12}]{1-6,12-17}{1-4}{RX,TX}	The Receive/Transmit channels in a Band OADM (1Bn, 4Bn) unit.
BAND[-{1-12}]{1-6,12-17}{1}-ALL	All the channels in an Optical Multiplexer/Demultiplexer (4Ch) unit.
BAND[-{1-12}]{1-6,12-17}{1}{RX,TX}	The Receive/Transmit channels in an Optical Multiplexer/Demultiplexer (4Ch) unit.

## BANDWL

Band wavelength. Identifies a wavelength channel included in any of the lower layer OMS facilities.

Table 26-5: BANDWL

Pattern	Description
BANDWL-{1-6,12-17}-{1-32}-{RX,TX}-1530.33	Identifies an allocated wavelength channel included in OMS facilities.
BANDWL-{1-6,12-17}-{1-32}-{RX,TX}-ALL	Identifies all of the allocated wavelength channels included in lower layer OMS facilities.
BANDWL-{{1-12}-}{1-6,12-17}-{1-32}-{RX,TX,PT}-<WLEN>	<p>OCH is the termination point of OCHNC connections and reports alarms and conditions eventually notified by the anomalies.</p> <p>Because the end points of an OCHNC connection can be filtered at the filter level and at the node LINE OTS single wavelength termination is useful to represent univocally a wavelength independently by the physical port it is contained in.</p> <p>The format is CHAN-[SHELF]-[SLOT]-[PORT]-[PORTDIRECTION] (in the form of 15xx.yy)]</p>
BANDWL-{{1-12}-}{1-6,12-17}-{1-32}-{RX,TX,PT}-ALL	<p>OCH is the termination point of OCHNC connections and reports alarms and conditions eventually notified by the anomalies.</p> <p>Because the end points of an OCHNC connection can be filtered at the filter level and at the node LINE OTS single wavelength termination is useful to represent univocally a wavelength independently by the physical port it is contained in.</p> <p>The format is CHAN-[SHELF]-[SLOT]-[PORT]-[PORTDIRECTION] (in the form of 15xx.yy)]</p>

## BITS

AID for building integrated timing supply (BITS).

Table 26-6: BITS

Pattern	Description
ALL	The ALL AID is applicable to RTRV commands only (RTRV-BITS and RTRV-ALM/COND-BITS). The All AID is equivalent to BITS-ALL for these commands. For RTRV-ALM/COND-SYCN, the ALL AID translates to BITS-ALL, SYNC-BITS1, and SYNC-BITS2.
BITS-ALL	BITS AIDs of both BITS-1 and BITS-2 in the RTRV-BITS command.
BITS[<SHELFID>]-ALL	BITS shelf ID of both BITS-1 and BITS-2 in the RTRV-BITS command.
BITS[<SHELFID>]-{1,2}	Individual BITS AID. <b>Note:</b> ONS 15310-CL does not support BITS-2.
SYNC[<SHELFID>]-BITS{1,2}	BITS-OUT AIDs of BITS-1 and BITS-2. These AIDs are applicable only in ED/RTRV-BITS commands and are used for setting and retrieving the BITS-OUT parameters.

**Note:** ONS 15310-CL does not support SYNC-BITS-2.

## BLSR

(ONS 15454, ONS 15600) BLSR AIDs are used to access the specific BLSR of the NE.

**Table 26-7: BLSR**

Pattern	Description
ALL	All the BLSRs in the NE. The ALL AID is applicable for retrieve-only commands like RTRV-<MOD_RING> (BLSR).
BLSR-RINGID	RINGID is a string of up to six characters. Valid characters are [A-Z,0-9] (case insensitive).

## CHANNEL

(Cisco ONS 15454 only) Accesses the optical channels (OCH) layer of optical networking units.

**Table 26-8: CHANNEL**

CHANNEL Values	Description
ALL	ALL OCHs of the NE. The ALL AID is applicable for retrieve-only commands.
CHAN[-{1-12}]-{1-6,12-17}-ALL	All the channels of an Optical Transponder/Muxponder. The format is CHAN-[SLOT]-ALL
CHAN[-{1-12}]-{1-6,12-17}-{1-32}-ALL	All the channels in an Optical Multiplexer/Demultiplexer 32WSS unit. The format is CHAN-[SHELF]-[SLOT]-[PORT]-ALL.
CHAN[-{1-12}]-{1-6,12-17}-{1-32}-{RX,TX}	The Receive/Transmit channels in an Optical Multiplexer/Demultiplexer (32DMX, 32MUX) units. The format is CHAN-[SHELF]-[SLOT]-[PORT]-[DIRECTION].
CHAN[-{1-12}]-{1-6,12-17}-{1-32}-{RX,PT}	The Receive/Pass-through channels in an Optical 32WSS unit. The format is CHAN-[SHELF]-[SLOT]-[PORT]-[DIRECTION].
CHAN[-{1-12}]-{1-5,12-16}-{1-40}-ALL	All the channels in Optical Multiplexer/Demultiplexer/WSS (40Ch) units. The format is CHAN-[SHELF]-[SLOT]-[PORT]-ALL.
CHAN[-{1-12}]-{1-5,12-16}-{1-40}-{RX,TX}	The receive/transmit channels in an Optical Multiplexer/Demultiplexer (40Ch) unit. The format is CHAN-[SHELF]-[SLOT]-[PORT]-[DIRECTION].
CHAN[-{1-12}]-{1-5,12-16}-{1-40}-{RX,PT}	The Receive/Pass-through channels in an Optical WSS (40Ch) unit. The format is CHAN-[SHELF]-[SLOT]-[PORT]-[DIRECTION].
CHAN[-{1-12}]-{1-6,12-17}-{1-4}-ALL	All the Channels in an OADM (AD-1C-xx.x, AD-2C-xx.x, AD-4C-xx.x) unit or Optical Multiplexer/Demultiplexer (4MD-xx.x) units. The format is CHAN-[SHELF]-[SLOT]-[PORT]-ALL.
CHAN[-{1-12}]-{1-6,12-17}-{1-4}-{RX,TX}	The Receive/Transmit Channels in an OADM (AD-1C-xx.x, AD-2C-xx.x, AD-4C-xx.x) unit or Optical Multiplexer/Demultiplexer (4MD-xx.x) unit. The format is CHAN-[SHELF]-[SLOT]-[PORT]-[DIRECTION].
CHAN[-{1-12}]-{1-6,12-17}-{2,3}	A single channel of an Optical Transponder/Muxponder. The TXP_MR_10G, TXP_MR_10E, and TXP_MR_2.5G cards use CHAN-[SHELF]-SLOT-2 for the one dense wavelength division

	multiplexing (DWDM) Facility. The TXPP_MR_2.5G card uses CHAN-[SHELF]-SLOT-{2,3} for the two DWDM Facilities. The format is CHAN-[SHELF]-[SLOT]-[PORT].
CHAN[-{1-12}]-{1-6,12-17}-{5}	A single channel of an Optical Muxponder. The TXP_MR_10G and TXP_MR_10E cards use CHAN-[SHELF]-SLOT-5 for the one DWDM facility. The TXP_MR_10G uses the CHAN-[SHELF]-SLOT-5 for the one DWDM facility. The format is CHAN-[SHELF]-[SLOT]-[PORT].
CHAN[-{1-12}]-{1-6,12-17}-{9,10}	A single channel of an Optical Muxponder. The MXP_MR_10DME_C and MXP_2.5G_10G cards use CHAN-[SHELF]-SLOT-9 for the one DWDM Facility. The MXPP_2.5G_10G card uses CHAN-[SHELF]-SLOT-{9,10} for the two DWDM Facilities. The format is CHAN-[SHELF]-[SLOT]-[PORT].
CHAN[-{1-12}]-{1-6,12-17}-{3,4}-{1}	A single channel of an Optical Muxponder. The 10GE-XP uses CHAN-[SHELF]-SLOT-{3,4}-1 for the two DWDM facilities. The format is CHAN-[SHELF]-[SLOT]-[PPM]-[PORT].

## COM

Common

Table 26-9: COM

Pattern	Description
COM	Common

## CrossConnectId

Table 26-10: CrossConnect Id

Pattern	Description
FACILITY	ALL
	EC1-{1,2,5,6}-{1-3}
	EC1-{2}-{1-3}
	FAC-{1-4,11-14}-ALL
	FAC-{1-4,11-14}-{1-16}
	FAC-{1-4,11-14}-{1-4}
	FAC-{1-4,11-14}-{1-4}-{1-4}-{1}
	FAC-{1-4,14-17}-{1-12}
	FAC-{1-4}-1
	FAC-{1-4}-{1-4}
	FAC-{1-6,12-17}-1
	FAC-{5-6}-{1-3}
	FAC-{8,10}-{1}
	FSSTE-{1,2,5,6}-{0-7}
	FSSTE-{1,2,5,6}-{1-8}
	FSSTE-{1}-{0-7}
	FSSTE-{1}-{1-8}
	OC12-{2}-{1-2}-{1}
	OC12-{3,4}-{1-2}-{1}
	OC3-{2}-{1-2}-{1}
	OC3-{3,4}-{1-2}-{1}
	T1-{1,2,5,6}-{1-28}

Table 26-8: CHANNEL

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	FAC-{1-6,12-17}-ALL	T1-{1,2,5,6}-{1-84}
	FAC-{1-6,12-17}-{0-11}	T1-{2}-{1-21}
	FAC-{1-6,12-17}-{0-1}	T3-{1,2,5,6}-{1-3}
	FAC-{1-6,12-17}-{1-12,14,16,18,20,22,24,26,28,30,32,34,36}	T3-{2}-{1-3}
	FAC-{1-6,12-17}-{1-12,14,16,18,20,22,24}	VFAC-{1,2,5,6}-{0-1}
	FAC-{1-6,12-17}-{1-12}	VFAC-{1,2,5,6}-{1-8}
	FAC-{1-6,12-17}-{1-4}	VFAC-{1-4,11-14}-{1-4}
	FAC-{1-6,12-17}-{1-6}	VFAC-{1-6,12-17}-{0-1}
	FAC-{1-6,12-17}-{1}	VFAC-{1-6,12-17}-{1,2}
	FAC-{1-6}-ALL	VFAC-{1-6,12-17}-{1,2}
	FAC-{5,6,12,13}-{1}	VFAC-{1}-{0-1}
	FAC-{5-6}-{1-28}	VFAC-{1}-{1-8}
STS	FAC-{1-4,11-14}-{1-4}-{1-4}-{1}	
	FAC-{1-6,12-17}-{1-4}	
	STS-{1,2,5,6}-1	
	STS-{1,2,5,6}-{1-3}	
	STS-{1,2,5,6}-{1-3}-1	
	STS-{1-4,11-14}-{1-16}-1	
	STS-{1-4,11-14}-{1-16}-ALL	
	STS-{1-4,11-14}-{1-16}-{1,13,25,37}	
	STS-{1-4,11-14}-{1-16}-{1,25}	
	STS-{1-4,11-14}-{1-16}-{1,4,7,10,-,46}	
	STS-{1-4,11-14}-{1-4}-1	
	STS-{1-4,11-14}-{1-4}-ALL	
	STS-{1-4,11-14}-{1-4}-{1,13,25,37,-,181}	
	STS-{1-4,11-14}-{1-4}-{1,25,49,73,-,169}	
	STS-{1-4,11-14}-{1-4}-{1,4,7,10,-,190}	

Table 26-10: CrossConnect Id

STS-{1-4,11-14}-{1-4}-{1,49,97,145}
STS-{1-4,11-14}-{1-4}-{1,4}-{1}
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,13,25,37}
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,25}
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,4,13,16,25,28,37,40}
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,4,7,10,13,16,19,22,25,28,31,34,37,40,43,46}
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,4,7}
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,4}
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1-12}
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1-3}
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1-48}
STS-{1-4,11-14}-{1-4}-{1-192}
STS-{1-4,11-14}-{1-4}-{1-4}-{1}-ALL
STS-{1-4,11-14}-{1-4}-{1-4}-{1}-{1,4,7,13,16,19,25,28,31,43}
STS-{1-4,14-17}-{1-16}-{1-48}
STS-{1-4,14-17}-{1-4}-1
STS-{1-4,14-17}-{1-4}-ALL
STS-{1-4,14-17}-{1-4}-{1,4,7,10}
STS-{1-4,14-17}-{1-4}-{1,4,7}
STS-{1-4,14-17}-{1-4}-{1-3}
STS-{1-4,14-17}-{1-8}-1
STS-{1-4,14-17}-{1-8}-ALL
STS-{1-4,14-17}-{1-8}-{1-3}
STS-{1-4}-1-1
STS-{1-4}-1-ALL
STS-{1-4}-1-{1,13,25,37}
STS-{1-4}-1-{1,4,7,10,..,46}

Table 26-10: CrossConnect Id

STS-{1-4}-1-{1,4,7,10}  
 STS-{1-4}-1-{1,7,13,19,-,43}  
 STS-{1-4}-1-{1,7}  
 STS-{1-4}-1-{1-12}  
 STS-{1-4}-1-{1-48}  
 STS-{1-6,12-17}-1  
 STS-{1-6,12-17}-1-1  
 STS-{1-6,12-17}-1-ALL  
 STS-{1-6,12-17}-1-{1,13,25,37}  
 STS-{1-6,12-17}-1-{1,4,10,13,16,19,25,28,37,40}  
 STS-{1-6,12-17}-1-{1,4,7,10,13,16,19,22,25}  
 STS-{1-6,12-17}-1-{1,4,7,10-46}  
 STS-{1-6,12-17}-1-{1,4,7,10}  
 STS-{1-6,12-17}-1-{1,4,7,13,16,19,25,28,37,40,43}  
 STS-{1-6,12-17}-1-{1,4,7}  
 STS-{1-6,12-17}-1-{1,4}  
 STS-{1-6,12-17}-1-{1-12}  
 STS-{1-6,12-17}-1-{1-48}  
 STS-{1-6,12-17}-ALL  
 STS-{1-6,12-17}-{1-12}-1  
 STS-{1-6,12-17}-{1-24}-1  
 STS-{1-6,12-17}-{1-36}-1  
 STS-{1-6,12-17}-{1-4}-1  
 STS-{1-6,12-17}-{1-4}-ALL  
 STS-{1-6,12-17}-{1-4}-{1,4,7,10-46}  
 STS-{1-6,12-17}-{1-4}-{1,4,7}  
 STS-{1-6,12-17}-{1-4}-{1,4}

Table 26-10: CrossConnect Id

STS-{1-6,12-17}-{1-4}-{1-12}
STS-{1-6,12-17}-{1-6}
STS-{2}-{1-2}-{1}-{1,4,7,10}
STS-{2}-{1-2}-{1}-{1,7}
STS-{2}-{1-2}-{1}-{1-12}
STS-{2}-{1-2}-{1}-{1-3}
STS-{2}-{1-2}-{1}-{1}
STS-{2}-{1-3}-{1}
STS-{2}-{1}
STS-{3,4}-{1,2}-1-{1-12}
STS-{3,4}-{1,2}-1-{1-3}
STS-{3,4}-{1,2}-1-{1-48}
STS-{5,6,12,13}-1-1
STS-{5,6,12,13}-1-{1,13,25,37-180}
STS-{5,6,12,13}-1-{1,13,25,37}
STS-{5,6,12,13}-1-{1,4,7,10,13,16,19,22,25}
STS-{5,6,12,13}-1-{1,4,7,10-190}
STS-{5,6,12,13}-1-{1,4,7,10-46}
STS-{5,6,12,13}-1-{1,4,7,13,16,19,25,28,37,40,43}
STS-{5,6,12,13}-1-{1,49,97,145}
STS-{5,6,12,13}-1-{1-192}
STS-{5,6,12,13}-1-{1-48}
STS-{5,6}-1
STS-{5,6}-{1-4}-1
STS-{5-6}-ALL
VFAC-{1-6,12-17}-{0-1}

Table 26-10: CrossConnect Id

# CrossConnectId1

Table 26-11: CrossConnectId1

AID	Pattern	
EQPT	ALL	PPM[-{1-12}]-{1-4,11-14}-{1-4}-{1-4}
	AIP-ALL	PPM[-{1-12}]-{1-6,12-17}-{1-4}
	AIP[-{1-12}]	PPM[-{1-12}]-{1-6,12-17}-{1-8}
	BIC-ALL	PWR-ALL
	BIC[-{1-12}]-ALL	PWR[-{1-12}]-ALL
	BIC[-{1-12}]-{A,B}	PWR[-{1-12}]-{A,B}
	BP-ALL	SLOT-ALL
	BP[-{1-12}]	SLOT[-{1-12}]-ALL
	FAN-ALL	SLOT[-{1-12}]-{1-14}
	FAN[-{1-12}]	SLOT[-{1-12}]-{1-17}
	PIM[-{1-12}]-{1-4,11-14}-ALL	SLOT[-{1-12}]-{1-2}
	PIM[-{1-12}]-{1-4,11-14}-{1-4}	SLOT[-{1-12}]-{1-4,11-14}
	PPM[-{1-12}]-1-{1,2}	SLOT[-{1-12}]-{1-6,12-17}
	PPM[-{1-12}]-2-{1,2}	SLOT[-{1-12}]-{1-8}
	PPM[-{1-12}]-{1-4,11-14}-{1-4}-ALL	
	VCM	VCM-{1,2,5,6}-{0-1}-{1-256}
VCM-{1,2,5,6}-{1-8}-{1-256}		
VCM-{1-6,12-17}-{0-1}-ALL		
VCM-{1-6,12-17}-{0-1}-{1-256}		
VCM-{1-6,12-17}-{1-4}-ALL		
VCM-{1-6,12-17}-{1-4}-{1-256}		
FACILITY	ALL	FAC-{5-6}-{1-3}
	EC1-{1,2,5,6}-{1-3}	FAC-{8,10}-{1}
	EC1-{2}-{1-3}	FSTE-{1,2,5,6}-{0-7}
	FAC-{1-4,11-14}-ALL	FSTE-{1,2,5,6}-{1-8}

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	FAC-{1-4,11-14}-{1-16}	FSTE-{1}-{0-7}
	FAC-{1-4,11-14}-{1-4}	FSTE-{1}-{1-8}
	FAC-{1-4,11-14}-{1-4}-{1-4}-{1}	OC12-{2}-{1-2}-{1}
	FAC-{1-4,14-17}-{1-8}	OC12-{3,4}-{1-2}-{1}
	FAC-{1-4}-1	OC3-{2}-{1-2}-{1}
	FAC-{1-4}-{1-4}	OC3-{3,4}-{1-2}-{1}
	FAC-{1-6,12-17}-1	T1-{1,2,5,6}-{1-28}
	FAC-{1-6,12-17}-ALL	T1-{1,2,5,6}-{1-84}
	FAC-{1-6,12-17}-{0-11}	T1-{2}-{1-21}
	FAC-{1-6,12-17}-{0-1}	T3-{1,2,5,6}-{1-3}
	FAC-{1-6,12-17}-{1-12,14,16,18,20,22,24,26,28,30,32,34,36}	T3-{2}-{1-3}
	FAC-{1-6,12-17}-{1-12,14,16,18,20,22,24}	VFAC-{1,2,5,6}-{0-1}
	FAC-{1-6,12-17}-{1-12}	VFAC-{1,2,5,6}-{1-8}
	FAC-{1-6,12-17}-{1-4}	VFAC-{1-4,11-14}-{1-4}-{1-4}-1
	FAC-{1-6,12-17}-{1-6}	VFAC-{1-6,12-17}-{0-1}
	FAC-{1-6,12-17}-{1}	VFAC-{1-6,12-17}-{1,2}
	FAC-{1-6}-ALL	VFAC-{1-6,12-17}-{1,2}-{1,8}
	FAC-{5,6,12,13}-{1}	VFAC-{1}-{0-1}
	FAC-{5-6}-{1-28}	VFAC-{1}-{1-8}
STS	FAC-{1-4,11-14}-{1-4}-{1-4}-{1}	
	FAC-{1-6,12-17}-{1-4}	
	STS-{1,2,5,6}-1	
	STS-{1,2,5,6}-{1-3}	
	STS-{1,2,5,6}-{1-3}-1	
	STS-{1-4,11-14}-{1-16}-1	
	STS-{1-4,11-14}-{1-16}-ALL	
	STS-{1-4,11-14}-{1-16}-{1,13,25,37}	

Table 26-11: CrossConnectId1

	<p>STS-{1-4,11-14}-{1-16}-{1,25}</p> <p>STS-{1-4,11-14}-{1-16}-{1,4,7,10,-,46}</p> <p>STS-{1-4,11-14}-{1-4}-1</p> <p>STS-{1-4,11-14}-{1-4}-ALL</p> <p>STS-{1-4,11-14}-{1-4}-{1,13,25,37,-,181}</p> <p>STS-{1-4,11-14}-{1-4}-{1,25,49,73,-,169}</p> <p>STS-{1-4,11-14}-{1-4}-{1,4,7,10,-,190}</p> <p>STS-{1-4,11-14}-{1-4}-{1,49,97,145}</p> <p>STS-{1-4,11-14}-{1-4}-{1,4}-{1}</p> <p>STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,13,25,37}</p>
STS (continued)	<p>STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,25}</p> <p>STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,4,13,16,25,28,37,40}</p> <p>STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,4,7,10,13,16,19,22,25,28,31,34,37,40,43,46}</p> <p>STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,4,7}</p> <p>STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,4}</p> <p>STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1-12}</p> <p>STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1-3}</p> <p>STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1-48}</p> <p>STS-{1-4,11-14}-{1-4}-{1-192}</p> <p>STS-{1-4,11-14}-{1-4}-{1,4}-{1}-ALL</p> <p>STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,4,7,13,16,19,25,28,31,43}</p> <p>STS-{1-4,14-17}-{1-16}-{1-48}</p> <p>STS-{1-4,14-17}-{1-4}-1</p> <p>STS-{1-4,14-17}-{1-4}-ALL</p> <p>STS-{1-4,14-17}-{1-4}-{1,4,7,10}</p> <p>STS-{1-4,14-17}-{1-4}-{1,4,7}</p> <p>STS-{1-4,14-17}-{1-4}-{1-3}</p>

Table 26-11: CrossConnectId1

	STS-{1-4,14-17}-{1-8}-1
	STS-{1-4,14-17}-{1-8}-ALL
	STS-{1-4,14-17}-{1-8}-{1-3}
	STS-{1-4}-1-1
	STS-{1-4}-1-ALL
	STS-{1-4}-1-{1,13,25,37}
	STS-{1-4}-1-{1,4,7,10,-,46}
	STS-{1-4}-1-{1,4,7,10}
	STS-{1-4}-1-{1,7,13,19,-,43}
	STS-{1-4}-1-{1,7}
	STS-{1-4}-1-{1-12}
	STS-{1-4}-1-{1-48}
	STS-{1-6,12-17}-1
	STS-{1-6,12-17}-1-1
	STS-{1-6,12-17}-1-ALL
	STS-{1-6,12-17}-1-{1,13,25,37}
	STS-{1-6,12-17}-1-{1,4,10,13,16,19,25,28,37,40}
	STS-{1-6,12-17}-1-{1,4,7,10,13,16,19,22,25}
STS (continued)	STS-{1-6,12-17}-1-{1,4,7,10-46}
	STS-{1-6,12-17}-1-{1,4,7,10}
	STS-{1-6,12-17}-1-{1,4,7,13,16,19,25,28,37,40,43}
	STS-{1-6,12-17}-1-{1,4,7}
	STS-{1-6,12-17}-1-{1,4}
	STS-{1-6,12-17}-1-{1-12}
	STS-{1-6,12-17}-1-{1-48}
	STS-{1-6,12-17}-ALL
	STS-{1-6,12-17}-{1-12}-1

Table 26-11: CrossConnectId1

	STS-{1-6,12-17}-{1-24}-1	
	STS-{1-6,12-17}-{1-36}-1	
	STS-{1-6,12-17}-{1-4}-1	
	STS-{1-6,12-17}-{1-4}-ALL	
	STS-{1-6,12-17}-{1-4}-{1,4,7,10-46}	
	STS-{1-6,12-17}-{1-4}-{1,4,7}	
	STS-{1-6,12-17}-{1-4}-{1,4}	
	STS-{1-6,12-17}-{1-4}-{1-12}	
	STS-{1-6,12-17}-{1-6}	
	STS-{2}-{1-2}-{1}-{1,4,7,10}	
	STS-{2}-{1-2}-{1}-{1,7}	
	STS-{2}-{1-2}-{1}-{1-12}	
	STS-{2}-{1-2}-{1}-{1-3}	
	STS-{2}-{1-2}-{1}-{1}	
	STS-{2}-{1-3}-{1}	
	STS-{2}-{1}	
	STS-{3,4}-{1,2}-1-{1-12}	
	STS-{3,4}-{1,2}-1-{1-3}	
	STS-{3,4}-{1,2}-1-{1-48}	
	STS-{5,6,12,13}-1-1	
	STS-{5,6,12,13}-1-{1,13,25,37-180}	
	STS-{5,6,12,13}-1-{1,13,25,37}	
	STS-{5,6,12,13}-1-{1,4,7,10,13,16,19,22,25}	
	STS-{5,6,12,13}-1-{1,4,7,10-190}	
	STS-{5,6,12,13}-1-{1,4,7,10-46}	
	STS-{5,6,12,13}-1-{1,4,7,13,16,19,25,28,37,40,43}	
STS (continued)	STS-{5,6,12,13}-1-{1,49,97,145}	

Table 26-11: CrossConnectId1

	<p>STS-{5,6,12,13}-1-{1-192}</p> <p>STS-{5,6,12,13}-1-{1-48}</p> <p>STS-{5,6}-1</p> <p>STS-{5,6}-{1-4}-1</p> <p>STS-{5-6}-ALL</p> <p>VFAC-{1-6,12-17}-{0-1}</p>	
VT	<p>ALL</p> <p>VT1-{1,2,5,6}-1-{1-7}-{1-4}</p> <p>VT1-{1,2,5,6}-{1-3}-1-{1-7}-{1-4}</p> <p>VT1-{1,2,5,6}-{1-3}-{1-7}-{1-4}</p> <p>VT1-{1-4,14-17}-{1-8}-{1-3}-{1-7}-{1-4}</p> <p>VT1-{1-4}-1-{1-12}-{1-7}-{1-4}</p> <p>VT1-{1-4}-1-{1-48}-{1-7}-{1-4}</p> <p>VT1-{1-4}-{1-4}-{1-3}-{1-7}-{1-4}</p> <p>VT1-{1-6,12-17}-1-{1-12}-{1-7}-{1-4}</p> <p>VT1-{1-6,12-17}-1-{1-48}-{1-7}-{1-4}</p> <p>VT1-{1-6,12-17}-1-{1-7}-{1-2}</p> <p>VT1-{1-6,12-17}-{1-12}-1-{1-7}-{1-4}</p> <p>VT1-{1-6,12-17}-{1-24}-1-{1-7}-{1-4}</p> <p>VT1-{1-6,12-17}-{1-36}-1-{1-7}-{1-4}</p> <p>VT1-{1-6,12-17}-{1-4}-{1-12}-{1-7}-{1-4}</p> <p>VT1-{1-6,12-17}-{1-4}-{1-3}-{1-7}-{1-4}</p> <p>VT1-{1-6,12-17}-{1-6}-{1-7}-{1-4}</p> <p>VT1-{2}-{1-2}-{1}-{1-12}-{1-7}-{1-4}</p> <p>VT1-{2}-{1-2}-{1}-{1-3}-{1-7}-{1-4}</p> <p>VT1-{2}-{1-3}-{1}-{1-7}-{1-4}</p> <p>VT1-{2}-{1}-{1-7}-{1-3}</p>	

Table 26-11: CrossConnectId1

VT1-{3,4}-{1-2}-{1}-{1-12}-{1-7}-{1-4}	
VT1-{3,4}-{1-2}-{1}-{1-3}-{1-7}-{1-4}	
VT1-{3,4}-{1-2}-{1}-{1-48}-{1-7}-{1-4}	
VT1-{5,6,12,13}-1-{1-192}-{1-7}-{1-4}	
VT1-{5,6,12,13}-1-{1-48}-{1-7}-{1-4}	

## DS1

(Cisco ONS 15454 only) Used to access the DS-1 frame layer of the DS3XM. The format is DS1-[SLOT]-[DS3PORT]-[DS1PORT].

Table 26-12: DS1

Pattern	Description
ALL	The ALL AID applies to RTRV-DS1 and RTRV-ALM/COND-DS1 commands only to retrieve all DS1 facilities and DS1-level alarms/conditions on the NE.
DS1-{1-6,12-17}-{1-12,13,15,17,19,21,23,25,27,29,31,33,35}-{1-28}	<p>DS1 AIDs for the DS3XM-12 card STS48 backplane rate. The format is DS1-[SLOT]-[DS3PORT]-[DS1PORT]. Ports 1-12 are always available and odd ports after 12 are available.</p> <p><b>Note:</b> The DS3XM-12 even DS3Ports (after 12) are valid DS3XM-12 DS1 AIDs, which are applied on DS3XM-12 TCA autonomous events (REPT EVT DS1) only.</p> <p><b>Note:</b> The DS3XM-12 even DS3Ports (after 12) are not valid DS3XM-12 DS1 AIDs for all DS3XM-12 DS1 provisioning/retrieval non-TCA event commands.</p>
DS1-{1-6,12-17}-{1-12,13,15,17,19,21,23}-{1-28}	<p>DS1 AIDs for DS3XM-12 card STS48 backplane rate. The format is DS1-[SLOT]-[DS3PORT]-[DS1PORT]. Ports 1-12 are always available and odd ports after 12 are available</p> <p><b>Note:</b> The DS3XM-12 even DS3Ports (after 12) are valid DS3XM-12 DS1 AIDs, which are applied on DS3XM-12 TCA autonomous events (REPT EVT DS1) only.</p>

	<b>Note:</b> The DS3XM-12 even DS3Ports (after 12) are not valid DS3XM-12 DS1 AIDs for all DS3XM-12 DS1 provisioning/retrieval non-TCA event commands.
DS1-{1-6,12-17}-{1-6}-{1-28}	DS1 AIDs for DS3XM-6 cards. Format is DS1-[SLOT]-[DS3PORT]-[DS1PORT].

## ENV

The environmental AID for the AIC-I cards. "IN" is used for environmental alarms. "OUT" is used for environmental controls.

Table 26-13: ENV

Pattern	Description
ALL	The ALL AID applies to retrieve-only commands: RTRV-ALM/COND-ENV, RTRV-ATTR-CONT, and RTRV-ATTR-ENV.
ENV-IN-ALL	Environmental AID for ALL environmental alarms on the Cisco ONS 15454, ONS 15310-CL, ONS 15310-MA, and ONS 15600.
ENV-IN[-{1-12}]-ALL	Environmental AID for ALL multishelf environmental alarms
ENV-IN[-{1-12}]-{1-3}	(ONS 15310-CL only) Environmental alarm AID for the ONS 15310-CL.
ENV-IN[-{1-12}]-{1-4}	(ONS 15454 only) Environmental alarm AID for the AIC-I card on the ONS 15454.
ENV-IN[-{1-12}]-{1-16}	(ONS 15454 only) Environmental alarm AID on the ONS 15454.
ENV-IN[-{1-12}]-{1-20}	(ONS 15454 only) Environmental alarm AID for the AIC-I card on the ONS 15454.
ENV-IN[-{1-12}]-{1-32}	(ONS 15454 and ONS 15310-MA) Environmental alarm AID for AIC-I card extensions on the ONS 15454. Environmental alarm AID for the ONS 15310-MA.
ENV-{IN,OUT}[-{1-12}]-{1-16}	ENV-IN-{1-16} is used for environmental alarm AIDs. ENV-OUT-{1-16} is used for external control AIDs.
ENV-OUT-ALL	All environmental control output contacts.
ENV-OUT[-{1-12}]-ALL	Environmental AID for AIC-I cards. "OUT" is used for environmental controls
ENV-OUT[-{1-12}]-{1-2}	Environmental control AID for the ONS 15310-CL.
ENV-OUT[-{1-12}]-{1-4}	(ONS 15454 only) Environmental control AID for the AIC-I cards on the ONS 15454.
ENV-OUT[-{1-12}]{1-9}	(ONS 15310-MA) Environmental control AID for the ONS 15310-MA.
ENV-OUT[-{1-12}]-{1-16}	(ONS 15454 only) Environmental control AID for AIC-I card extensions on the ONS 15454.

## EQPT

Equipment AIDs are used to access specific cards.

In the ONS 15454, the OC-48/OC-192 cards are only used in Slots 5, 6, 12, and 13.

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In the ONS 15600, Slots 1 through 4 and Slots 11 through 14 are used for optical cards. Slots 5 and 10 are reserved for the TSC cards. Slots 6, 7, 8, and 9 are reserved for the SSXC cards.

In the ONS 15310-CL, Slot-1 is used for I/O cards. Slot-2 is the 15310-CL-CTX card.

In the ONS 15310-MA, Slots 1, 2, 5, and 6 are used for I/O Cards. Slots 3 and 4 are reserved for the CTX2500 card.

**Table 26-14: EQPT**

Pattern	Description
AIP-[-{1-12}]	(ONS 15454 only) The AID for the alarm interface panel (AIP). It is used for RTRV-INV output only.
AIP-ALL	(ONS 15454 only) The AID for all of the AIPs in any shelf of the node. It is used for RTRV-INV output only.
ALL	Only used for RTRV-INV, RTRV-EQPT, and RTRV-ALM/COND-EQPT commands. RTRV-INV returns all the inventory information for the NE. The ONS 15454 includes the multiservice cards, common control cards, and the AIP, BP, and FAN.
BIC-ALL	AIDs for the backplane interface connectors (BICs), BIC-A and BIC-B. These AIDs are valid only for the RTRV-ALM-EQPT and RTRV-COND-EQPT commands.
BIC-[-{1-12}]-ALL	AIDs for the backplane interface connectors (BICs), BIC-A and BIC-B of a single shelf in a multishelf node. These AIDs are valid only for the RTRV-ALM-EQPT and RTRV-COND-EQPT commands.
BIC-[-{1-12}]-{A,B}	AIDs for the BICs. These AIDs are valid only for the RTRV-ALM-EQPT and RTRV-COND-EQPT commands.
BP-[-{1-12}]	(ONS 15454 and ONS 15310-MA) The AID for the backplane. It is used for RTRV-INV output only.
BP-ALL	(ONS 15454 and ONS 15310-MA) The AID for all of the backplanes in any shelf on the multishelf node. It is used for RTRV-INV output only.
FAN-[-{1-12}]	The AID for the fan tray. It is used for RTRV-INV output only.
FAN-{1-3}	The fan AID for the ONS 15600.
FAN-ALL	The AID for all of the fan tray in all the shelves of a multishelf node. It is used for RTRV-INV output only.
PIM-{1-4,11-14}-ALL	(ONS 15600 only) Pluggable interface module. Applicable to RTRV-EQPT and RTRV-INV commands pertaining to the ASAP card. Format is PIM-[SLOT]-[PIM]-[PPM].
PIM-{1-4,11-14}-{1-4}	(ONS 15600 only) Pluggable interface module. Applicable for ENT/ED/RTRV/DLT-EQPT and RTRV-INV commands pertaining to the ASAP card. Format is PPM-[SLOT]-[PIM]-[PPM].
PPM-2-{1,2}	(ONS 15310-CL only) Pluggable port module AID for the ML-100T-8 and CE-100T-8 cards. Format is PPM-[SLOT]-[PPM].
PPM-{1-4,11-14}-{1-4}-1	(ONS 15600) Pluggable Port Module for the ONS 15600 ASAP card only. For ENT/ED/RTRV/DLT-EQPT and RTRV-INV commands pertaining to the ASAP card single port PIM. Format is PPM-[SLOT]-[PIM]-[PPM]
PPM-{1-6,12-17}-{1-4}	Pluggable Port Module for MRC-2.5G-4.Format is PPM-[SLOT]-[PPM]. It is not applied on CHG-EQPT, and RMV/RST/ED-EQPT commands.
PPM-{1-6,12-17}-{1-12}	

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	Pluggable Port Module for MRC-2.5G-12. Format is PPM-[SLOT]-[PPM]. It is not applied on CHG-EQPT, and RMV/RST/ED-EQPT commands.
PPM[-{1-12}]-{1-4,11-14}-{1-4}-ALL	PPM AID. Applicable for the RTRV-EQPT and RTRV-INV commands pertaining to the ASAP card. Format is PPM-[SLOT]-[PIM]-[PPM].
PPM[-{1-12}]-{1-4,11-14}-{1-4}-{1-4}	PPM AID. Applicable for the ENT/ED/RTRV/DLT-EQPT and RTRV-INV commands pertaining to the ASAP card. Format is PPM-[SLOT]-[PIM]-[PPM].
PPM-{1-6,12-17}-1	PPM for the OC192-XFP card. Format is PPM-[SLOT]-[PPM].
PPM-{1-6,12-17}-{1-12}	PPM for the MRC-12 card. Format is PPM-[SLOT]-[PPM].
PPM[-{1-12}]-{1-6,12-17}-{1-4}	PPM AID for dense wavelength division multiplexing (DWDM) MXP_2.5G_10G, TXP_MR_10G, TXP_MR_2.5G, TXPP_MR_2.5G, MXP_2.5G_10E, and TXP_MR_10E cards. Format of AID is PPM-[SLOT]-[PPM].
PPM[-{1-12}]-{1-6,12-17}-{1-8}	(ONS 15454 only) PPM AID for the MXP_MR_2.5G and MXPP_MR_2.5G cards. Format of AID is PPM-[SLOT]-[PPM].
PPM[-{1-12}]-{1-6,12-17}-{1-22}	PPM AID for XP-GE Cards. Format of AID is PPM-[SHELF]-[SLOT]-[PPM]
PPM-{3,4}-{1,2}	(ONS 15310-MA only) PPM AID for the ONS 15310-MA. Format is PPM-SLOT-PPM.
PWR-ALL	AIDs for the power supply sources. These AIDs are valid only for the RTRV-ALM-EQPT and RTRV-COND-EQPT commands.
PWR[-{1-12}]-{A,B}	AIDs for the power supply sources. These AIDs are valid only for the RTRV-ALM-EQPT and RTRV-COND-EQPT commands.
PWR[-{1-12}]-ALL	AIDs for all of the power supply sources. These AIDs are valid only for the RTRV-ALM-EQPT and RTRV-COND-EQPT commands.
SLOT-ALL	All of the NE equipment AIDs.
SLOT[-{1-12}]-{1-14}	(ONS 15600 only) EQPT AID where the format is SLOT-[SLOT].
SLOT[-{1-12}]-{1-17}	(ONS 15454 only) EQPT AID where the format is SLOT-[SLOT].
SLOT[-{1-12}]-{1-2}	(ONS 15310-CL only) EQPT AID where the format is SLOT-[SLOT].
SLOT[-{1-12}]-{1-4,11-14}	(ONS 15600 only) Optical slots.
SLOT[-{1-12}]-{1-6,12-17}	(ONS 15454 only) Individual equipment AID of the multiservice card units or slots where the format is SLOT-[SLOT].
SLOT-{1-6}	(ONS 15310-MA only) EQPT AID where the format is SLOT-SLOT

## FACILITY

(Cisco ONS 15454, ONS 15327, ONS 15310-CL, ONS 15310-MA, ONS 15600) Facility AIDs are used to access specific ports.

**Note:** Because the ONS 15310-CL and ONS 15310-MA support more than one type of facility per slot, the FAC-AID format is not supported. The formats Tn-, EC1-, and OCn- are used instead.

ONS 15454 and ONS 15600 Facility AID format:

- Format for optical and EC1 facilities without PPM: FAC-[SLOT]-[PORT]
- Format for optical facilities with PPM: FAC-[SLOT]-[PPM]-[PORT]
- Format for optical facilities with PPM and PIM: FAC-[SLOT]-[PIM]-[PPM]-[PORT]
- Format for DS1-flavored electrical facilities: FAC-[SLOT]-[PORT]
- Format for DS3-flavored (including DS3i) electrical facilities: FAC-[SLOT]-[PORT]

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- Format for packet-over-SONET (POS) ports: VFAC-[SLOT]-[PORT]
- Format for POS ports with PIMs and PPMs: VFAC-[SLOT]-[PIM]-[PPM]-[PORT]

ONS 15310-CL and ONS 15310-MA Facility AID format:

- Format for optical facilities without PPMs: OCn-[SLOT]-[PORT]
- Format for optical facilities with PPMs: OCn-[SLOT]-[PPM]-[PORT]
- Format for EC1 facilities: EC1-[SLOT]-[PORT]
- Format for DS1-flavored electrical facilities: T1-[SLOT]-[PORT]
- Format for DS3-flavored electrical facilities: T3-[SLOT]-[PORT]
- Format for POS ports: VFAC-[SLOT]-[PORT]
- Format for FSTE Ethernet facilities: FSTE-[SLOT]-[PORT]

**Table 26-15: FACILITY**

Pattern	Description
ALL	The ALL AID is applicable for RTRV-only commands (RTRV-rr type of commands), for example, RTRV-OC48 with the ALL AID returns all OC48 facilities on the node. RTRV-T1 with the ALL AID returns all T1 facilities on the node.
EC1-{1,2,5,6}-{1-3}	(ONS 15310-MA only) Facility AIDs for EC1 ports where the format is EC1-SLOT-PORT.
EC1-{2}-{1-3}	(ONS 15310-CL only) Facility AID for EC1 ports on the 15310-CL-CTX card, where the format is EC1-[SLOT]-[PORT].
ETH-{1,2,5,6}-{1-6}	(ONS 15454) Facility AIDs for front end ports of CE-MR-6 (GT3) card on 15310MA, where format is ETH-[SLOT]-[PORT]. Port numbering is 1-based.
ETH-{1}-{1-6}	Facility AIDs for front end ports on CE-MR-6 (GT3) card on (15310CL). Format is ETH-[SLOT]-[PORT]. Port numbering is 1-based.
ETH[-{1-12}]{1-5,12-16}{1-22}-1	Facility AID for GE-XP card. Format is FAC-[SHELF]-[SLOT]-[PPM]-[PORT]
ETH[-{1-12}]{1-6,12-17}{1-4}-1	Facility AID for 10GE-XP card. Format is FAC-[SHELF]-[SLOT]-[PPM]-[PORT]
FAC-{1-6,12-17}{1-10}	(ONS 15454) Facility AID for CE-MR-10 (454) cards that can plug into Slots 1-6 and 12-17 and there are 10 Facility ports, where format is FAC-[SLOT]-[PORT]
FAC[-{1-12}]{1-4,11-14}-ALL	(ONS 15600 only) Facility AID for all optical cards or slots, where the format is FAC-[SLOT]-ALL.
FAC[-{1-12}]{1-4,11-14}{1-16}	(ONS 15600 only) Facility AID for the 16-port OC-48, where the format is FAC-[SLOT]-[PORT].
FAC[-{1-12}]{1-4,11-14}{1-4}	(ONS 15600 only) Facility AID for the 4-port OC-192, where the format is FAC-[SLOT]-[PORT].
FAC[-{1-12}]{1-4,11-14}{1-4}{1-4}{1}	Facility AID for the ASAP card with PIM and PPM. The format is FAC-[SLOT]-[PIM]-[PPM]-[PORT].
FAC[-{1-12}]{1-4,14-17}{1-8}	(ONS 15454 only) Facility AID for an OC3-8 card, where the format is FAC-[SLOT]-[PORT].
FAC[-{1-12}]{1-5,12-16}{1-20}-1	

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	Facility AID for GE-XP card, where format is: FAC-[SHELF]-[SLOT]-[PPM]-[PORT]
FAC[-{1-12}]-{1-6,12-17}-{1-2}-1	Facility AID for 10GE-XP card, where format is: FAC-[SHELF]-[SLOT]-[PPM]-[PORT]
FAC[-{1-12}]-{1-6,12-17}-1	(ONS 15454 only) Facility AID for the 1 Client (CLNT) port on a TXP_MR_10G, TXP_MR_2.5G, TXP_MR_2.5G, or TXPP_MR_2.5G card, where the format is FAC-[SLOT]-[PORT].
FAC[-{1-12}]-{1-6,12-17}-ALL	(ONS 15454 only) All the facilities of an multiservice unit or slot, where the format is FAC-[SLOT]-[ALL].
FAC[-{1-12}]-{1-6,12-17}-{0-11}	(ONS 15454 only) Facility AID for the Ethernet front-end ports on the ML-100T-12 card. Ports are numbered starting with 0. The first port is FAC-SLOT-0, the second port is FAC-SLOT-1, and so on. The last port is FAC-SLOT-11. The format is FAC-[SLOT]-[PORT].
FAC[-{1-12}]-{1-6,12-17}-{0-1}	(ONS 15454 only) Facility AID for the Ethernet back-end ports on the ML1000-2 card. Ports are numbered starting with 0. The first port is FAC-SLOT-0 and the second port is FAC-SLOT-1. The format is FAC-[SLOT]-[PORT].
FAC[-{1-12}]-{1-6,12-17}-{1-12,14,16,18,20,22,24,26,28,30,32,34,36}	Facility AID for the DS3XM-12 STS48 backplane rate, where the format is FAC-[SLOT]-[PORT]. Ports 1 through 12 are always available, but only even ports greater than 12 are available.
FAC[-{1-12}]-{1-6,12-17}-{1-12,14,16,18,20,22,24}	Facility AID for DS3XM-12 STS12 backplane, rate where the format is FAC-[SLOT]-[PORT]. Ports 1 through 12 are always available, but only even ports greater than 12 are available.
FAC[-{1-12}]-{1-6,12-17}-{1-12}	(ONS 15454 only) Facilities AID for the EC1 and DS3 cards, where the format is FAC-[SLOT]-[PORT].
FAC[-{1-12}]-{1-6,12-17}-{1-4}	(ONS 15454 only) Facility AID for the four Client (CLNT) facilities on the MXP_2.5G_10G card. Facility AID for 4-port G1000/FC_MR-4 card. Facility AID for creating/editing cross-connects (STS1/VC3, STS3C/VC4, STS6C/VC4-2C, STS9C/VC4-3C, STS12C/VC4-4C, and STS24C/VC4-8C) for the 4-port G1000/FC_MR-4 card, where the format is FAC-[SLOT]-[PORT].
FAC[-{1-12}]-{1-6,12-17}-{1-6}	(ONS 15454 only) Facility AID for the DS3XM card, where the format FAC-[SLOT]-[PORT].
FAC[-{1-12}]-{1-6,12-17}-{1}	(ONS 15454 only) Facility AID for a single-port OC12, OC48AS and OC3 in OSC-CSM cards. Facility AID for the client ports on the muxponder (MXP) and transponder (TXP) cards, where the format is FAC-[SLOT]-[PORT].
FAC[-{1-12}]-{5,6,12,13}-{1}	(ONS 15454 only) Facility AID for the OC48/OC192 cards. The OC48/OC192 cards can only use Slots 5, 6, 12, and 13), where the format is FAC-[SLOT]-[PORT].
FAC[-{1-12}]-{8,10}-{1}	(ONS 15454 only) Facility AID for the OSCM card. The OSCM cards can use only the XC slots (Slot 8, Slot 10), where the format is FAC-[SLOT]-[PORT].
FSTE-{1,2,5,6}-{0-7}	(ONS 15310-MA only) Facility AID for front-end ports on the CE-100T-8 card on when provisioned in L2/L3 mode. The

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	format is FSTE-SLOT-PORT. Port numbering is 0-based.
FSTE-{1,2,5,6}-{1-8}	(ONS 15310-MA only) Facility AID for front-end ports on the ML-100T-8 card on when provisioned in Mapper mode. The format is FSTE-SLOT-PORT. Port numbering is 1-based.
FSTE-{1}-{0-7}	(ONS 15310-CL only) Facility AID for front-end ports on the ML-100T-8 card when provisioned in L2L3 mode. The format is FSTE-[SLOT]-[PORT]. Port numbering starts at 0.
FSTE-{1}-{1-8}	(ONS 15310-CL only) Facility AID for front-end ports on the CE-100T-8 card when provisioned in Mapper mode. The format is FSTE-[SLOT]-[PORT]. Port numbering starts at 1.
OC12-{2}-{1-2}-{1}	(ONS 15310-CL only) Facility AID for OC12 ports on the 15310-CL-CTX card, where the format is OC12-[SLOT]-[PPM]-[PORT].
OC12-{3,4}-{1-2}-{1}	(ONS 15310-MA only) Facility AID for OC12 ports where the format is OC12-SLOT-PPM-PORT.
OC3-{2}-{1-2}-{1}	(ONS 15310-CL only) Facility AID for OC3 ports on the 15310-CL-CTX card, where the format is OC3-[SLOT]-[PPM]-[PORT].
OC3-{3,4}-{1-2}-{1}	(ONS 15310-MA only) Facility AID for the OC3 ports where the format is OC3-SLOT-PPM-PORT.
OC48-{3,4}-{1-2}-{1}	(ONS 15310-MA only) Facility AID for the OC48 ports where the format is OC48-SLOT-PPM-PORT.
T1-{1,2,5,6}-{1-28}	(ONS 15310-MA only) Facility AID for the T1 ports on the DS1-28/DS3-EC1-3 card where the format is T1-SLOT-PORT.
T1-{1,2,5,6}-{1-84}	(ONS 15310-MA only) Facility AID for the DS1-84/DS3-EC1-3 card where the format is T1-SLOT-PORT
T1-{2}-{1-21}	(ONS 15310-CL only) Facility AID for T1 ports on the 15310-CL-CTX card, where the format is T1-[SLOT]-[PORT].
T3-{1,2,5,6}-{1-3}	(ONS 15310-MA only) Facility AID for the DS3 ports on both the DS1-28/DS3-EC1-3 and DS1-84/DS3-EC1-3 cards where the format is T3-SLOT-PORT.
T3-{2}-{1-3}	(ONS 15310-CL only) Facility AIDs for T3 ports on the 15310-CL-CTX card, where the format is T3-[SLOT]-[PORT].
VFAC-{1,2,5,6}-{0-1}	(ONS 15310-MA only) Facility AID for the back-end ports on the ML-100T-8 card when provisioned in L2/L3 mode. The format is VFAC-SLOT-PORT. Port numbering is 0-based.
VFAC-{1,2,5,6}-{1-6}	(ONS 15310 MA) Facility AID for cards that can plug into slots 1,2,5,6 where there are 6 Virtual Facility ports. Format is VFAC-[SLOT]-[PORT]
VFAC-{1,2,5,6}-{1-8}	(ONS 15310-MA only) Facility AID for the back-end ports of the CE-100T-8 card when provisioned in Mapper mode. The format is VFAC-SLOT-PORT. Port numbering is 1-based.
VFAC-{1-6,12-17}-{1-10}	

Table 26-15: FACILITY

	(ONS 15454) Virtual Facility AID for CE-MR-10 cards that can plug into Slots 1-6 and 12-17 and there are 10 Virtual Facility ports. Format is VFAC-[SLOT]-[PORT]
VFAC-{1}-{1-6}	Virtual Facility AID for CE-MR-6 (310CL) cards that can plug into Slot 1 and there are 6 Virtual Facility ports. Format is VFAC-[SLOT]-[PORT]
VFAC[-{1-12}]{-1-4,11-14}{-1-4}{-1-4}-1	(ONS 15600 only) Facility AID for the back-end POS ports on the L1P_ETHERNET PORT on an ASAP card, where the format is VFAC-[SLOT]-[PIM]-[PPM]-[PORT].
VFAC[-{1-12}]{-1-5,12-16}{-21-22}-1	Facility AID for the trunk "higher layer" of GE-XP card in the format of: VFAC-[SHELF]-[SLOT]-[PPM]-[PORT]
VFAC[-{1-12}]{-1-6,12-17}{-3-4}-1	Facility AID for the trunk "higher layer" of 10GE-XP card in the format of: VFAC-[SHELF]-[SLOT]-[PPM]-[PORT]
VFAC[-{1-12}]{-1-6,12-17}{-0-1}	(ONS 15454 only) Facility AID for the back-end POS ports on the ML-Series cards. Port numbering is 0-based (first POS port is VFAC-SLOT-0, second POS port is VFAC-SLOT-1). VC4, VC4-2C, VC4-3C, VC4-4C, and VC4-8C for the ML1000 and ML100T cards. Format is VFAC-[SLOT]-[PORT].
VFAC[-{1-12}]{-1-6,12-17}{-1,2}	Generic framing procedure (GFP) facility AIDs on the MXP-MR-2.5G and MXPP-MR-2.5G cards.
VFAC[-{1-12}]{-1-6,12-17}{-1,2}{-1,8}	GFP client facility AIDs for MXP-MR-2.5G and MXPP-MR-2.5G cards.
VFAC[-{1-12}]{-1}{-0-1}	(ONS 15310-CL only) Facility AIDs for back-end ports on the ML-100T-8 card when provisioned in L2L3 mode. Format is VFAC-[SLOT]-[PORT]. Port numbering starts at 0.
VFAC[-{1-12}]{-1}{-1-8}	(ONS 15310-CL only) Facility AID for back-end ports on the ML-100T-8 card when provisioned in L2L3 mode. Format is VFAC-[SLOT]-[PORT]. Port numbering starts at 1.

## IPADDR

IP Address

Table 26-16: IPADDR

Pattern	Description
111.222.333.444	Standard 4-part IP address notation
ALL	ALL

## LINE

(Cisco ONS 15454 only) The LINE AID is used to access the Optical Transport Section (OTS) layer of optical network units. Applicable only to AD-1B-xx.x, AD-4B-xx.x, AD-1C-xx.x, AD-2C-xx.x, AB-4C-xx.x, OSC-CSM, OSCM, OPT-BST, OPT-PRE, 4MD-xx.x, 32MUX-O, and 32DMX-O cards. The format is LINE-[SLOT]-[PORT]-[DIRECTION].

Table 26-17: LINE

Values	Description
ALL	

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	All of the OTSs of the NE. The ALL AID applies for retrieve-only commands.
LINE-{{1-6,12-17}}-{{1-2}}-ALL	All the lines in an OPT-PRE, OCS-CSM, AD-1B, AD-4B, AD-1C, AD-2C, or AD-4C unit.
LINE-{{1-6,12-17}}-{{1-2}}-{{RX,TX}}	The receive/transmit lines in an OPT-PRE, OCS-CSM, AD-1B, AD-4B, AD-1C, AD-2C, or AD-4C unit.
LINE-{{1-6,12-17}}-{{1-3}}-{{RX,TX}}	The receive/transmit lines in an OPT-BST unit.
LINE-{{8,10}}-{{1}}-ALL	All the lines in OSCM units.
LINE-{{8,10}}-{{1}}-{{RX,TX}}	The receive/transmit lines in OSCM units.
LINE-{{1-12}}-{{1-6,12-17}}-{{1}}- {{RX,TX}}	For Booster units, there is an input OTS for LINE(1) and an output OTS (Amplified) for amplification stage COM(2), 2 OTS for input line COM(2) and output LINE(1) and 2 OTS for OSC(3) Add & Drop service channel.
LINE-{{1-12}}-{{1-6,12-17}}-{{2}}- {{RX,TX}}	
LINE-{{1-12}}-{{1-6,12-17}}-{{3}}- {{RX,TX}}	
LINE-{{1-12}}-{{1-6,12-17}}-{{1-3}}-ALL	
LINE-{{1-12}}-{{1-6,12-17}}-{{1}}- {{RX,TX}}	Pre-Amplifier unit with 2 stages of amplification; input OTS for LINE(1) and an output OTS (Amplified) for amplification stage COM(2), 2 OTS for input line COM(2) and output LINE(1) and 2 OTS for OSC(3) Add & Drop service channel and output and an input OTS for the DCU(2).
LINE-{{1-12}}-{{1-6,12-17}}-{{2}}- {{RX,TX}}	
LINE-{{1-12}}-{{1-6,12-17}}-{{3}}- {{RX,TX}}	
LINE-{{1-12}}-{{1-6,12-17}}-{{4}}- {{RX,TX}}	
LINE-{{1-12}}-{{1-6,12-17}}-{{1-4}}-ALL	For demux units there is an OTS for input line, and up to 32 OCH for drop channel connectors. Demux is a unidirectional unit.
LINE-{{1-12}}-{{1-6,12-17}}-1-RX For input OTS	
LINE-{{1-12}}-{{1-6,12-17}}-1-ALL	
CHAN-{{1-12}}-{{1-6,12-17}}-{{1-32}}-TXFor Drop OCH	
CHAN-{{1-12}}-{{1-6,12-17}}-{{1-32}}- ALL	
LINE-{{1-12}}-{{1-5,12-16}}-{{1}}- {{RX,TX}} (EXP)	Wavelength switch selector unit has input and output OTS for signal coming from amplifier units COM(2), input and output OTS for signal continuing to next WSS unit in the node EXP(1) and an output PT(3) drop port for the signal continuing to 32-DMX-L card. It also has 32 internal OCH pass-through channels (PT) and 32 external input channels (ADD). This unit is 2 slots sized.
LINE-{{1-12}}-{{1-5,12-16}}-{{2}}- {{RX,TX}} (COM)	
LINE-{{1-12}}-{{1-5,12-16}}-{{3}}-{{TX}} (DROP)	
LINE-{{1-12}}-{{1-5,12-16}}-{{1-3}}-ALL	
CHAN-{{1-12}}-{{1-5,12-16}}-{{1-32}}- {{RX}} (ADD)	
CHAN-{{1-12}}-{{1-5,12-16}}-{{1-32}}- {{PT}} (PT)	
CHAN-{{1-12}}-{{1-5,12-16}}-{{1-32}}- ALL	
LINE-{{1-12}}-{{1-6,12-17}}-{{1}}- {{RX,TX}} (EXP)	Multiring/mesh unit has 6 OTS connectors: 2 are the input and output OTS for signal coming from amplifier units COM(1), the other are for the split 50/50 signal continuing to AD, MUX/DEMUX, WSS unit. Because the incoming signal is split into 2 separate signals, there are two sets of input and output EXP port (2 and 3).
LINE-{{1-12}}-{{1-6,12-17}}-{{2}}- {{RX,TX}} (COM)	
LINE-{{1-12}}-{{1-6,12-17}}-{{3}}- {{RX,TX}} (EXP to other ring)	
LINE-{{1-12}}-{{1-6,12-17}}-{{1-3}}-ALL	

Table 26-17: LINE

## LINEWL

Line wavelength. Identifies a wavelength channel included in any of the lower layer OTS facilities.

**Table 26-18: LINEWL**

Values	Description
LINEWL[-{1-12}]-{1-6,8,10,12-17}-ALL	All the Optical Channels representing single wavelength inside OTS facility of a card configured in specified slot. The format is LINE-[SHELF]-[SLOT]-ALL
LINEWL[-{1-12}]-{1-6,12-17}-{1}-{RX,TX}-ALL	The Optical Channel representing single wavelength inside OTS facility in a 32-DMX-O, 32-DMX, 32-DMX-L, 32-MUX-O, 40-DMX-C, 40-MUX-C cards. The format is LINEWL-[SHELF]-[SLOT]-[PORT]-[DIRN]-ALL.
LINEWL[-{1-12}]-{1-6,12-17}-{1}-{RX,TX}-<wlen>	The Optical Channel representing single wavelength inside OTS facility in a 32-DMX-O, 32-DMX, 32-DMX-L, 32-MUX-O, 40-DMX-C, 40-MUX-C cards. The format is LINEWL-[SHELF]-[SLOT]-[PORT]-[DIRN]-[WLEN].
LINEWL[-{1-12}]-{1-6,12-17}-{1-3}-{RX,TX}-ALL	The Optical Channel representing single wavelength inside OTS facility in a 32-WSS, 40-WSS-C cards. The format is LINEWL-[SHELF]-[SLOT]-[PORT]-[DIRN]-ALL.
LINEWL[-{1-12}]-{1-6,12-17}-{1-3}-{RX,TX}-<WLEN>	The Optical Channel representing single wavelength inside OTS facility in a 32-WSS, 40-WSS-C cards. The format is LINEWL-[SHELF]-[SLOT]-[PORT]-[DIRN]-[WLEN].
LINEWL[-{1-12}]-{1-6,12-17}-{1-2}-{RX,TX}-ALL	All the Optical Channel representing single wavelength inside OTS facility in a AD-1B, AD-4B, AD-1C, AD-2C, AD-4C units. The format is LINE-[SHELF]-[SLOT]-[PORT]-[DIRN]-ALL
LINEWL[-{1-12}]-{1-6,12-17}-{1-2}-{RX,TX}-<WLEN>	The Optical Channel representing single wavelength inside OTS facility in a AD-1B, AD-4B, AD-1C, AD-2C, AD-4C units. The format is LINE-[SHELF]-[SLOT]-[PORT]-[DIRN]-[WLEN]
LINEWL[-{1-12}]-{1-6,12-17}-{1-2}-{RX,TX}-ALL	All the Optical Channel representing single wavelength inside OTS (COM=1, DC=2) facility in an OPT-PRE unit. The format is LINE-[SHELF]-[SLOT]-[PORT]-[DIRN]-ALL
LINEWL[-{1-12}]-{1-6,12-17}-{1-2}-{RX,TX}-<WLEN>	The Optical Channel representing single wavelength inside OTS (COM=1, DC=2) facility in a OPT-PRE units. The format is LINE-[SHELF]-[SLOT]-[PORT]-[DIRN]-<WLEN>
LINEWL[-{1-12}]-{1-6,12-17}-{1,3}-{RX,TX}-ALL	The Optical Channel representing single wavelength inside OTS (COM=1, LINE=3) facility in a OPT-BST, OPT-BST-E, OPT-BST-L, OPT-AMP-L, OPT-AMP-17-C, and OPT-AMP-23-C cards. The format is LINEWL-[SHELF]-[SLOT]-[PORT]-[DIRN]-ALL.

LINEWL[-{1-12}]-{1-6,12-17}-{1,3}-{RX,TX}-<WLEN>	The Optical Channel representing single wavelength inside OTS (COM=1, LINE=3) facility in a OPT-BST, OPT-BST-E, OPT-BST-L, OPT-AMP-L, OPT-AMP-17-C, OPT-AMP-23-C, and OPT-AMP-C cards. The format is LINEWL-[SHELF]-[SLOT]-[PORT]-[DIRN]-[WLEN].
LINEWL[-{1-12}]-{1-6,12-17}-{1,3,4}-{RX,TX}-ALL	The Optical Channel representing single wavelength inside OTS (COM=1, LINE=3, DC=4) facility in a OPT-AMP-C card. The format is LINEWL-[SHELF]-[SLOT]-[PORT]-[DIRN]-ALL.
LINEWL[-{1-12}]-{1-6,12-17}-{1,3,4}-{RX,TX}-<WLEN>	The Optical Channel representing single wavelength inside OTS (COM=1, LINE=3, DC=4) facility in a OPT-AMP-C card. The format is LINEWL-[SHELF]-[SLOT]-[PORT]-[DIRN]-[WLEN].
LINEWL[-{1-12}]-{1-6,12-17}-{1}-{RX,TX}-ALL	All the Optical Channel representing single wavelength inside OTS (COM) facility in a OPT-PRE units. The format is LINE-[SHELF]-[SLOT]-[PORT]-[DIRN]-ALL
LINEWL[-{1-12}]-{1-6,12-17}-{1}-{RX,TX}-<WLEN>	The Optical Channel representing single wavelength inside OTS (COM) facility in a OPT-PRE units. The format is LINE-[SHELF]-[SLOT]-[PORT]-[DIRN]-[WLEN]
LINEWL[-{1-12}]-{1-6,12-17}-{1,3}-{RX,TX}-ALL	The Optical Channel representing single wavelength inside OTS (COM=1, LINE=3) facility in a OPT-BST, OPT-BST-E, OPT-BST-L, OPT-AMP-L, OPT-AMP-17-C and OPT-AMP-23-C cards. The format is LINEWL-[SHELF]-[SLOT]-[PORT]-[DIRN]-ALL.
LINEWL[-{1-12}]-{1-6,12-17}-{1,3}-{RX,TX}-<WLEN>	The Optical Channel representing single wavelength inside OTS (COM=1, LINE=3) facility in a OPT-BST, OPT-BST-E, OPT-BST-L, OPT-AMP-L, OPT-AMP-17-C and OPT-AMP-23-C cards. The format is LINEWL-[SHELF]-[SLOT]-[PORT]-[DIRN]-[WLEN].
LINEWL[-{1-12}]-{1-6,12-17}-{1-2}-{RX,TX}-ALL	The Optical Channel representing single wavelength inside OTS (COM=1, LINE=2) facility in a OSC-CSM cards. The format is LINEWL-[SHELF]-[SLOT]-[PORT]-[DIRN]-ALL.

## LNKTERM

Link termination AIDs are used to access the termination points of a provisionable patchcord.

**Table 26-19: LNKTERM**

Pattern	Description
ALL	Indicates all the provisionable patchcord terminations on a node. Applicable only for the retrieve commands.
LNKTERM-ALL	Indicates all the provisionable patchcord terminations on a node. Applicable only for the retrieve commands.
LNKTERM-{1-65535}	Indicates a single provisionable patchcord termination point on a node, where the format is LNKTERM-.

## OPM

OPM AIDs represent the single wavelength inside an optical power monitoring object.

**Table 26-20: OPM**

Values	Description
ALL	The first ID represents the shelf, the second ID represents the slot, and the last ID is the wavelength, represented in the form of 15xx.yy nanometers. The last index of the wavelength is the value of the wavelength as described in OPTICAL_WLEN.
OPM[-{1-12}]-{1-5,12-16}-ALL	
OPM[-{1-12}]-{1-5,12-16}-<wlen>	

## OSC

(Cisco ONS 15454 only) OSC AIDs are used to access the OSC of the NE.

**Table 26-21: OSC**

Values	Description
ALL	All of the OSCs of the NE. The ALL AID applies to the retrieve-only commands.
OSC-RINGID	RINGID is a string of up to six characters. Valid characters are [A-Z,0-9] (case insensitive).

## PR SLOT

(Cisco ONS 15454 only) Valid protection slots for the electrical cards.

**Table 26-22: PR SLOT**

Pattern	Description
NULL	Indicates there is no protection group. Used when trying to delete a protection group.
SLOT-1	The No.1 slot of an NE.
SLOT-3	The No.3 slot of an NE.
SLOT-5	The No.5 slot of an NE.
SLOT-13	The No.13 slot of an NE.
SLOT-15	The No.15 slot of an NE.
SLOT-17	The No.17 slot of an NE.

## RFILE

(ONS 15454, ONS 15310-CL, ONS 15310-MA) File transfer type.

**Table 26-23: RFILE**

Pattern	Description
RFILE-DB	Transferring the system database.
RFILE-LOG	Transferring a log file.
RFILE-PKG	Transferring a software package.

## SHELF

(ONS 15454, ONS 15310-CL, ONS 15310-MA) Identifies a shelf within a node. SHELF is applicable only to nodes that are set to MULTISHELF or MULTISHELFETH mode.

**Table 26-24: SHELF**

Pattern	Description
SHELF-ALL	All of the shelves in the node.
SHELF-{1-12}	A specific shelf in the node (shelf 1 through 8).

## STS

SONET frame-level AID set:

- STS AID format for optical and EC1 facilities without PPM: STS-[SLOT]-[PORT]-[STS]
- STS AID format for optical facilities with PPMs: STS-[SLOT]-[PPM]-[PORT]-[STS]
- STS AID format for optical facilities with PIMs and PPMs:  
STS-[SLOT]-[PIM]-[PPM]-[PORT]-[STS]
- STS AID format for DS1 electrical facilities: STS-[SLOT]-[STS]
- STS AID format for DS3 (except DS3i) electrical facilities: STS-[SLOT]-[PORT]-[STS]
- STS AID format for DS3i electrical facilities: STS-[SLOT]-[STS]
- STS AID format for G1K-4 card Gigabit Ethernet (GIGE) facilities: FAC-[SLOT]-[PORT]

**Table 26-25: STS**

Pattern	Description
ALL	The ALL AID applies to the RTRV-only commands: RTRV-STs with the ALL AID retrieves all STS interfaces on the NE. RTRV-STs1 with ALL AID retrieves all STS1 interfaces on the NE. RTRV-STs3c with ALL AID retrieves all STS3c interfaces on the NE.
FAC-{1-4,11-14}-{1-4}-{1-4}-{1}	Dynamically allocated STSs of all widths for the GIGE port on an ASAP card. Format is FAC-[SLOT]-[PIM]-[PPM]-[PORT].
FAC-{1-6,12-17}-{1-4}	(ONS 15454 only) Dynamically allocated STSs of all widths for the G1K-4 card. Format is FAC-[SLOT]-[PORT]
STS-{1,2,5,6}-1	(ONS 15310-MA only) STS1 AID for the T1 ports on the DS1-28/DS3-EC1-3 card where the format IS STS-SLOT-STs. There is only one STS for all T1 ports on this card.
STS-{1,2,5,6}-{1-3}	(ONS 15310-MA (ONS 15310-MA) STS1 AID for the T1 ports on the DS1-84/DS3-EC1-3 card where the format is STS-SLOT-STs. STS1 maps to ports 1-28. STS2 maps to ports 29-56. STS3 maps to ports 57-84.
STS-{1,2,5,6}-{1-3}-1	(ONS 15310-MA only) STS1 AID for the T3/EC1 ports on the DS1-28/DS3-EC1-28 and DS1-84/DS3-EC1-3 cards. The format is

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	STS-SLOT-PORT-STS. STS's are port-based.
STS-{1-4,11-14}-{1-16}-1	(ONS 15600 only) STS48c AID for 16-port OC48 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-4,11-14}-{1-16}-ALL	(ONS 15600 only) All STSs of all path widths on the 16-port OC48 card. Format is STS-[SLOT]-[PORT]-ALL.
STS-{1-4,11-14}-{1-16}-{1,13,25,37}	(ONS 15600 only) STS12C AID for the 16-port OC48 card. Format is STS-[SLOT]-[PORT]-ALL.
STS-{1-4,11-14}-{1-16}-{1,25}	(ONS 15600 only) STS24C AID for the 16-port OC48 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-4,11-14}-{1-16}-{1,4,7,10,-,46}	(ONS 15600 only) STS3c AID for the 16-port OC48 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-4,11-14}-{1-4}-1	(ONS 15600 only) STS192c AID for the 4-port OC192 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-4,11-14}-{1-4}-ALL	(ONS 15600 only) All STSs of all path widths on the 4-port OC192 card. Format is STS-[SLOT]-[PORT]-ALL.
STS-{1-4,11-14}-{1-4}-{1,13,25,37,-,181}	(ONS 15600 only) STS12c AID for the 4-port OC192 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-4,11-14}-{1-4}-{1,25,49,73,-,169}	(ONS 15600 only) STS24c AID for the 4-port OC192 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-4,11-14}-{1-4}-{1,4,7,10,-,190}	(ONS 15600 only) STS3c AID for the 4-port OC192 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-4,11-14}-{1-4}-{1,49,97,145}	(ONS 15600 only) STS48c AID for the 4-port OC192 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-4,11-14}-{1-4}-{1,4}-{1}	StS3c AID for the ASAP card with an OC3 port provisioned. STS12C AID for the ASAP card with an OC12 port provisioned. STS48C AID for the ASAP card with OC48 port provisioned. Format of AID is STS-[SLOT]-[PIM]-[PPM]-[PORT]-[STS].
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,13,25,37}	STS12C AID for the ASAP card with an OC48 port provisioned. Format is STS-[SLOT]-[PIM]-[PPM]-[PORT]-[STS].
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,25}	STS24C AID for the ASAP card with an OC48 port provisioned. Format is STS-[SLOT]-[PIM]-[PPM]-[PORT]-[STS].
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,4,13,16,25,28,37,40}	STS9C AID for the ASAP card with an OC48 port provisioned. Format is STS-[SLOT]-[PIM]-[PPM]-[PORT]-[STS].

Table 26-25: STS

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STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,4,7,10,13,16,19,22,25,28,31,34,37,40,43,46}	STS3C AID for the ASAP card with an OC48 port provisioned. Format is STS-[SLOT]-[PIM]-[PPM]-[PORT]-[STS].
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,4,7}	STS6C AID for the ASAP card with an OC12 port provisioned. Format is STS-[SLOT]-[PIM]-[PPM]-[PORT]-[STS].
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1,4}	STS9C AID for the ASAP card with an OC12 port provisioned. Format is STS-[SLOT]-[PIM]-[PPM]-[PORT]-[STS].
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1-12}	STS1 AID for the ASAP card with an OC12 port provisioned. Format is STS-[SLOT]-[PIM]-[PPM]-[PORT]-[STS].
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1-3}	STS1 AID for the ASAP card with an OC3 port provisioned. Format is STS-[SLOT]-[PIM]-[PPM]-[PORT]-[STS].
STS-{1-4,11-14}-{1-4}-{1,4}-{1}-{1-48}	STS1 AID for the ASAP card with an OC48 port provisioned. Format is STS-[SLOT]-[PIM]-[PPM]-[PORT]-[STS].
STS-{1-4,11-14}-{1-4}-{1-192}	(ONS 15600 only) STS1 AID for the 4-port OC192 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-4,11-14}-{1-4}-{1-4}-{1}-ALL	STS1, STS3C, STS6C, STS9C, STS12C, STS24C, and STS48C AID for the ASAP card with an OCN port provisioned. Format is STS-[SLOT]-[PIM]-[PPM]-[PORT]-[STS].
STS-{1-4,11-14}-{1-4}-{1-4}-{1}-{1,4,7,13,16,19,25,28,31,43}	STS6C AID for the ASAP card with an OC48 port provisioned. Format is STS-[SLOT]-[PIM]-[PPM]-[PORT]-[STS].
STS-{1-4,14-17}-{1-16}-{1-48}	(ONS 15600 only) STS1 AID for the 16-port OC48 card Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-4,14-17}-{1-4}-1	(ONS 15454 only) STS12C AIDs for a 4-port OC12 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-4,14-17}-{1-4}-ALL	(ONS 15454 only) All the STSs for a given 4-port OC12 card. Format is STS-[SLOT]-[PORT]-ALL.
STS-{1-4,14-17}-{1-4}-{1,4,7,10}	(ONS 15454 only) STS3C for the 4-port OC12 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-4,14-17}-{1-4}-{1,4,7}	(ONS 15454 only) STS6C AIDs for a 4-port OC12 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-4,14-17}-{1-4}-{1-3}	(ONS 15454 only) STS1 AID for the 4-port OC3 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-4,14-17}-{1-8}-1	(ONS 15454 only) STS3C for the 8-port OC3 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-4,14-17}-{1-8}-ALL	(ONS 15454 only) All the STSs for a given 8-port OC3 card. Format is

Table 26-25: STS

	STS-[SLOT]-[PORT]-ALL.
STS-{1-4,14-17}-{1-8}-{1-3}	(ONS 15454 only) STS1 AID for the 8-port OC3 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-6,12-17}-1	(ONS 15454 only) STS1 AID for a DS1 card. Format is STS-[SLOT]-[STS]. There is only 1 STS for the DS1 card.
STS-{1-6,12-17}-1-1	(ONS 15454 only) STS12C AID for a single-port OC12 card STS48C AID for an OC48AS card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-6,12-17}-1-ALL	(ONS 15454 only) All the STSs of an STS bandwidth on a single port optical card. Format is STS-[SLOT]-[PORT]-ALL.
STS-{1-6,12-17}-1-{1,13,25,37}	(ONS 15454 only) STS12C AIDs for an OC48AS card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-6,12-17}-1-{1,4,10,13,16,19,25,28,37,40}	(ONS 15454 only) STS9C AID for an OC48AS card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-6,12-17}-1-{1,4,7,10,13,16,19,22,25}	(ONS 15454 only) STS24C AID for an OC48AS card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-6,12-17}-1-{1,4,7,10-46}	(ONS 15454 only) STS3C AID for an OC48AS card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-6,12-17}-1-{1,4,7,10}	(ONS 15454 only) STS3C AID for a single-port OC12 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-6,12-17}-1-{1,4,7,13,16,19,25,28,37,40,43}	(ONS 15454 only) STS6C AID for an OC48AS card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-6,12-17}-1-{1,4,7}	(ONS 15454 only) STS6C AID for an OC12 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-6,12-17}-1-{1,4}	(ONS 15454 only) STS9C AID for a single-port OC12 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-6,12-17}-1-{1-12}	(ONS 15454 only) STS1 AID for a single-port OC12 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-6,12-17}-1-{1-48}	(ONS 15454 only) STS1 AID for an OC48AS card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-6,12-17}-ALL	(ONS 15454 only) STS ALL AID for the card in the given slot. Format is STS-[SLOT]-[ALL].
STS-{1-6,12-17}-{1-12}-1	(ONS 15454 only) STS1 AID for EC1 and DS3 cards. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-6,12-17}-{1-24}-1	STS1 AIDs for the DS3XM-12 STS12 backplane rate cards. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-6,12-17}-{1-36}-1	STS1 AIDs for the DS3XM-12 STS48 backplane rate cards. Format is STS-[SLOT]-[PORT]-[STS].

Table 26-25: STS

STS-{1-6,12-17}-{1-4}-1	(ONS 15454 only) STS3C AID for a 4-port OC3 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-6,12-17}-{1-4}-ALL	(ONS 15454 only) All the STSs for a 4-port OC3 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-6,12-17}-{1-4}-{1,4,7,10-46}	Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-6,12-17}-{1-4}-{1,4,7}	(ONS 15454 only) STS6c AID for a 4-port OC12 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-6,12-17}-{1-4}-{1,4}	(ONS 15454 only) STS9C AID for a 4-port OC12 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-6,12-17}-{1-4}-{1-12}	(ONS 15454 only) STS1 AID for a 4-port OC12 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{1-6,12-17}-{1-6}	(ONS 15454 only) STS1 AID for a DS3XM card. Format is STS-[SLOT]-[STS].
STS-{2}-{1-2}-{1}-{1,4,7,10}	(ONS 15310-CL only) STS3c AID for the OC12 port. Format is STS-[SLOT]-[PPM]-[PORT]-[STS].
STS-{2}-{1-2}-{1}-{1,7}	(ONS 15310-CL only) STS6c AID for the OC12 port. Format is STS-[SLOT]-[PPM]-[PORT]-[STS].
STS-{2}-{1-2}-{1}-{1-12}	(ONS 15310-CL only) STS1 AID for the OC12 port. Format is STS-[SLOT]-[PPM]-[PORT]-[STS].
STS-{2}-{1-2}-{1}-{1-3}	STS1 AID for the OC3 port. Format is STS-[SLOT]-[PPM]-[PORT]-[STS].
STS-{2}-{1-2}-{1}-{1}	(ONS 15310-CL only) STS3c AID for the OC3 port, or STS9C AID for the OC12 port, or STS12c AID for the OC12 port. Format is STS-[SLOT]-[PPM]-[PORT]-[STS].
STS-{2}-{1-3}-{1}	(ONS 15310-CL only) STS1 AID for the 15310-CL-CTX T3 ports. Format is STS-[SLOT]-[PORT]-[STS]. The AIDs are port-based and presented as one STS per port.
STS-{2}-{1}	(ONS 15310-CL only) STS1 AID for the 15310-CL-CTX T1 port. Format is STS-[SLOT]-[STS]. There is only one STS for the WBE ports on the 15310-CL-CTX card.
STS-{3,4}-{1,2}-1-{1-12}	(ONS 15310-MA only) STSx AID for the OC12 ports where the format is STS-SLOT-PPM-PORT-STS. STS numbers are restricted according to path width: STS1 = 1-12, STS3c = 1,4,7,10, STS6c = 1,7, and STS9c/12c = 1.
STS-{3,4}-{1,2}-1-{1-3}	(ONS 15310-MA only) STS1/3c AID for the OC3 ports where the format is STS-SLOT-PPM-PORT-STS. STS numbers are restricted according to path width: STS1 = 1-3,

Table 26-25: STS

	STS3c = 1 only.
STS-{3,4}-{1,2}-1-{1-48}	(ONS 15310-MA only) STS1 AID for the OC48 ports where the format is STS-SLOT-PPM-PORT-STS. STS numbers are restricted according to path width: STS1 = 1-48, STS3c = 1,4,7,10-46, STS6c = 1,4,7,13,16,19,25,28,37,40,43, STS9c/STS12c = 1,13,25,37, STS24c = 1,4,7,10,13,16,19,22,25, STS48C = 1.
STS-{5,6,12,13}-1-1	(ONS 15454 only) STS48c AID for an OC48 card, or STS192 AID for an OC192 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{5,6,12,13}-1-{1,13,25,37-180}	(ONS 15454 only) STS12c AID for an OC192 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{5,6,12,13}-1-{1,13,25,37}	(ONS 15454 only) STS12c AIDs for an OC48 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{5,6,12,13}-1-{1,4,7,10,13,16,19,22,25}	(ONS 15454 only) STS24c AID for an OC48 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{5,6,12,13}-1-{1,4,7,10-190}	(ONS 15454 only) STS3c for an OC192 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{5,6,12,13}-1-{1,4,7,10-46}	(ONS 15454 only) STS3c AID for an OC48 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{5,6,12,13}-1-{1,4,7,13,16,19,25,28,37,40,43}	(ONS 15454 only) STS6c AID for an OC48 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{5,6,12,13}-1-{1,49,97,145}	(ONS 15454 only) STS48c AID for an OC192 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{5,6,12,13}-1-{1-192}	(ONS 15454 only) STS1 AID for an OC192 card. Format is STS-[SLOT]-[PORT]-[STS].
STS-{5,6,12,13}-1-{1-48}	(ONS 15454 only) STS1 AID for an OC48 card. Format is STS-[SLOT]-[PORT]-[STS].
VFAC-{1-6,12-17}-{0-1}	(ONS 15454 only) Virtual facility AID for the ML-Series card back-end POS ports. Both the ML1000-2 and ML100T-12 have two POS ports. Port numbering starts at 0. Format is VFAC-[SLOT]-[PORT].

## SYN

Synchronization AIDs

**Table 26-26: SYN**

Pattern	Description
SYNC[-{1-12}]-ALL	ALL synchronization AID (values 1 to 8 is the shelf ID).
SYNC[-{1-12}]-NE	NE synchronization AID (values 1 to 8 is the shelf ID).
SYNC[-{1-12}]-{BITS1,BITS2}	BITS synchronization AID (values 1 to 8 is the shelf ID).

## SYN\_SRC

Synchronization source

**Table 26-27: SYN\_SRC**

Pattern	Description
BITS-1	(ONS 15454, ONS 15310-CL, ONS 15310-MA, ONS 15600) Synchronization source is BITS-1. Format is BITS-[PORT].
BITS-2	(ONS 15454, ONS 15310-MA, ONS 15600) Synchronization source is BITS-2. Format is BITS-[PORT].
FAC-{1-4,11-14}-{1-16}	(ONS 15600 only) Synchronization source is 16-port OC48. Format is FAC-[SLOT]-[PORT].
FAC-{1-4,11-14}-{1-4}	Synchronization source is 4-port OC192. Format is FAC-[SLOT]-[PORT].
FAC-{1-6,12-17}-{1-4}	(ONS 15454 only) Synchronization source is the optical card (four-port OC3 and four-port OC12) facility. Format is FAC-[SLOT]-[PORT].
FAC-{1-6,12-17}-{1}	(ONS 15454 only) Synchronization source is the optical card (one-port OC12 and OC48AS) facility. Format is FAC-[SLOT]-[PORT].
FAC-{5,6,12,13}-{1}	Synchronization source is the optical card (OC48, OC192) facility. Format is FAC-[SLOT]-[PORT].
INTERNAL	Set the SYN_SRC to be the system default value. The INTERNAL value of the SYN_SRC is only applied for the SYNC-NE AID on the ED-SYNCN command.
NONE	Set the SYNC_SRC value to the default value for BITS-OUT. The NONE value of SYNC_SRC only applies to the BITS-1 and BITS-2 AID of the ED-SYNCN command.
OC12-{2}-{1-2}-{1}	(ONS 15310-CL, ONS 15310-MA) Synchronization source is the OC12 facility. Format is OC12-[SLOT]-[PPM]-[PORT].
OC3-{2}-{1-2}-{1}	(ONS 15310-CL, ONS 15310-MA) Synchronization source is the OC3 facility. Format is OC3-[SLOT]-[PPM]-[PORT].
SYNC-NE	SYNC-NE source. It is only used in the alarm report or alarm retrieve commands.
T1-{2}-{1-21}	(ONS 15310-CL, ONS 15310-MA) Synchronization source is the T1 facility. Format is T1-[SLOT]-[PORT].

## SYNC\_REF

(Cisco ONS 15454, ONS 15327, ONS 15310-CL, ONS 15310-MA, ONS 15600) Synchronization AIDs.

**Table 26-28: SYNC\_REF**

Pattern	Description
ALL	Equivalent to a combination of SYNC-ALL, BITS-1 and BITS-2. This AID is valid only for the commands RTRV-SYNCN, RTRV-ALM-SYNCN, and RTRV-COND-SYNCN.
SYNC-ALL	All synchronization references.
SYNC-NE	NE synchronization AID.
SYNC-{BITS1,BITS2}	BITS1 and BITS2 synchronization AIDs. <b>Note:</b> BITS2 is not supported on the ONS 15310-CL.

## SYNCSW

New synchronization reference that will be used.

**Table 26-29: SYNCSW**

Pattern	Description
INT	Internal clock. The INT value is only applied for the SYNC-NE AID on the OPR-SYNCSW command.
PRI	Primary timing reference.
SEC	Secondary timing reference.

## UDC

(ONS 15454, ONS 15310-CL, ONS 15310-MA) UDC AIDs for F-UDC and DCC-UDC channels on the AIC-I card.

**Table 26-30: UDC**

Pattern	Description
ALL	Applicable to RTRV-only commands, for example, RTRV-ALM/COND-UDCF and RTRV-ALM/COND-UDCDCC. Corresponds to a superset of F-UDC and DCC-UDC AIDs.
UDC-{F,DCC}-{A,B}	F-UDC and DCC-UDC AIDs for A and B channels. DCC-UDC is supported on the ONS 15454 only. F-UDC is supported on both the ONS 15454, ONS 15310-CL, and ONS 15310-MA.

## VT

(ONS 15454, ONS 15310-CL, ONS 15310-MA) Virtual tributary.

- VT1 AID format for optical and EC1 facilities without PPM: VT1-[SLOT]-[PORT]-[STS]-[VTG]-[VTN]
- VT1 AID format for optical facilities with PPM: VT1-[SLOT]-[PPM]-[PORT]-[STS]-[VTG]-[VTN]
- VT1 AID format for DS1 electrical facilities: VT1-[SLOT]-[STS]-[VTG]-[VTN]
- VT1 AID format for DS3 electrical facilities: VT1-[SLOT]-[PORT]-[STS]-[VTG]-[VTN]

**Table 26-31: VT**

Pattern	Description
ALL	Applies to RTRV-only commands. For example, the RTRV-VT and RTRV-VT1 with ALL AIDs return all VT1 interfaces on the node.
VT1-{1,2,5,6}-1-{1-7}-{1-4}	(ONS 15310-MA only) DS1 VTs on the DS1-28/DS3-EC1-3 card where the format is VT-[SLOT]-[STS]-[VTG]-[VTN].
VT1-{1,2,5,6}-{1-3}-1-{1-7}-{1-4}	(ONS 15310-MA only) EC1 VTs where the format is VT1-[SLOT]-[PORT]-[STS]-[VTG]-[VTN].
VT1-{1-4,14-17}-{1-8}-{1-3}-{1-7}-{1-4}	(ONS 15454 only) 8-port OC3 card
VT1-{1-6,12-17}-1-{1-12}-{1-7}-{1-4}	(ONS 15454 only) Single-port OC12 card
VT1-{1-6,12-17}-1-{1-48}-{1-7}-{1-4}	(ONS 15454 only) OC48AS card
VT1-{1-6,12-17}-1-{1-7}-{1-2}	(ONS 15454 only) DS1 card

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VT1-{1-6,12-17}-{1-12}-1-{1-7}-{1-4}	(ONS 15454 only) EC1 card
VT1-{1-6,12-17}-{1-24}-1-{1-7}-{1-4}	VT1.5 AIDs for DS3XM-12 STS12 backplane rate cards
VT1-{1-6,12-17}-{1-36}-1-{1-7}-{1-4}	VT1.5 AIDs for DS3XM-12 STS48 backplane rate cards
VT1-{1-6,12-17}-{1-4}-{1-12}-{1-7}-{1-4}	(ONS 15454 only) 4-port OC12 card
VT1-{1-6,12-17}-{1-4}-{1-3}-{1-7}-{1-4}	(ONS 15454 only) 4-port OC3 card
VT1-{1-6,12-17}-{1-6}-{1-7}-{1-4}	(ONS 15454 only) DS3XM-6 card
VT1-{2}-{1-2}-{1}-{1-12}-{1-7}-{1-4}	(ONS 15310-CL only) VT1 AIDs for OC3 port on a 15310-CL-CTX card
VT1-{2}-{1-2}-{1}-{1-3}-{1-7}-{1-4}	(ONS 15310-CL only) VT1 AIDs for OC3 port on a 15310-CL-CTX card
VT1-{2}-{1-3}-{1}-{1-7}-{1-4}	(ONS 15310-CL only) VT1 AIDs for BBE port on a 15310-CL-CTX card. The AIDs are port-based and presented as one STS per port. VTs are supported only for EC1 ports.
VT1-{2}-{1}-{1-7}-{1-3}	(ONS 15310-CL only) VT1 AIDs for T1 (WBE) port on a 15310-CL-CTX card. There is only one STS for the WBE ports on the 15310-CL-CTX card. There are seven VT groups, each containing three VTs.
VT1-{3,4}-{1-2}-{1}-{1-12}-{1-7}-{1-4}	(ONS 15310-MA only) OC12 VTs where the format is VT1-[SLOT]-[PPM]-[PORT]-[STS]-[VTG]-[VT].
VT1-{3,4}-{1-2}-{1}-{1-3}-{1-7}-{1-4}	(ONS 15310-MA only) OC3 VTs where the format is VT1-[SLOT]-[PPM]-[PORT]-[STS]-[VTG]-[VTN].
VT1-{3,4}-{1-2}-{1}-{1-48}-{1-7}-{1-4}	(ONS 15310-MA only) OC49 VTs where the format is VT1-[SLOT]-[PPM]-[PORT]-[STS]-[VTG]-[VTN].
VT1-{5,6,12,13}-1-{1-192}-{1-7}-{1-4}	(ONS 15454 only) OC192 card
VT1-{5,6,12,13}-1-{1-48}-{1-7}-{1-4}	(ONS 15454 only) OC48 card
VT2-{1-4,14-17}-{1-8}-{1-3}-{1-7}-{1-3}	(ONS 15454 only) Eight-port OC3 card
VT2-{1-6,12-17}-1-{1-12}-{1-7}-{1-3}	(ONS 15454 only) Single-port OC12 card
VT2-{1-6,12-17}-1-{1-48}-{1-7}-{1-3}	(ONS 15454 only) OC48AS card
VT2-{1-6,12-17}-{1-4}-{1-12}-{1-7}-{1-3}	(ONS 15454 only) Four-port OC12 card
VT2-{1-6,12-17}-{1-4}-{1-3}-{1-7}-{1-3}	(ONS 15454 only) Four-port OC3 card
VT2-{5,6,12,13}-1-{1-192}-{1-7}-{1-3}	(ONS 15454 only) OC192 card
VT2-{5,6,12,13}-1-{1-48}-{1-7}-{1-3}	(ONS 15454 only) OC48 card

## WDMANS

(Cisco ONS 15454 only) This AID is used to access the Wavelength Division Multiplexing (WDM) automatic optical node setup (AONS) application of the NE.

**Table 26-32: WDMANS**

Pattern	Description
AONS-{E,W}	Automatic optical node setup identifier (based on ring direction)
WDMANS-{E,W}	Automatic optical node setup identifier (based on ring direction)
WDMSIDE-{UNKNOWN,A,B,C,D,E,F,G,H}	Automatic MSTP node setup identifier
WDMNODE	Automatic MSTP node setup identifier

## WLEN

(Cisco ONS 15454 only) This AID represents the single wavelength inside an external facility. If the facility is of type OTS (line), the wavelengths contained are all the available in the node (currently 32). If the facility is of type OCH (CHAN), the wavelength is just one and it is the same of the correspondent wavelength customized for that channel.

**Table 26-33: WLEN**

Pattern	Description
WLEN-{E,W}-{ADD,DROP,EXP}-{1530.33,1531.12,1531.90, 1532.68,1534.25,1535.04,1535.82,1536.61,1538.19,1538.98,1539.77, 1540.56,1542.14,1542.94,1543.73,1544.53,1546.12,1546.92,,1547.72, 1548.51,1550.12,1550.92,1551.72,1552.52,1554.13,1554.94, 1555.75,1556.55,1558.17,1558.98,1559.79,1560.61,1577.44,1577.86,1578.27,1578.69,1579.10,1579.52, 1579.93,1580.35,1580.77,1581.18,1581.60,1582.02,1582.44,1582.85,1583.27,1583.69,1584.11,1584.53, 1584.95,1585.36,1585.78,1586.20,1586.62,1587.04,1587.46,1587.88,1588.30,1588.73,1589.15,1589.57, 1589.99,1590.41,1590.83,1591.26,1591.68,1592.10,1592.52,1592.95,1593.37,1593.79}	Wavelength identifier

## CTC Port Numbers and TL1 Aids

**Table 26-34: CTC Port Numbers and TL1 Aids**

Equipment	CTC Port Name	CTC Port Number	TL1 Aid
OPT-AMP-17C	COM-RX	1	LINE-shelf-slot-1-RX
	COM-TX	2	LINE-shelf-slot-1-TX
	OSC-RX	3	LINE-shelf-slot-2-RX
	OSC-TX	4	LINE-shelf-slot-2-TX
	LINE-RX	5	LINE-shelf-slot-3-RX
	LINE-TX	6	LINE-shelf-slot-3-TX
OPT-AMP-C	COM-RX	1	LINE-shelf-slot-1-RX
	COM-TX	2	LINE-shelf-slot-1-TX
	DC-RX	7	LINE-shelf-slot-4-RX
	DC-TX	8	LINE-shelf-slot-4-TX
	OSC-RX	3	LINE-shelf-slot-2-RX
	OSC-TX	4	LINE-shelf-slot-2-TX
	LINE-RX	5	LINE-shelf-slot-3-RX
	LINE-TX	6	LINE-shelf-slot-3-TX
OSC-CSM	COM-RX	2	LINE-shelf-slot-1-RX
	COM-TX	3	LINE-shelf-slot-1-TX
	LINE-RX	4	LINE-shelf-slot-2-RX
	LINE-TX	5	LINE-shelf-slot-2-TX

	OSC-RX	6	LINE-shelf-slot-3-RX
	OSC-TX	7	LINE-shelf-slot-3-TX
	OC3	1	FAC-shelf-slot-1
40 WXC	EXP-i-RX	1..8	LINE-shelf-slot-i-RX (i=1..8)
	EXP-TX	11	LINE-shelf-slot-10-TX
	ADD-RX	9	LINE-shelf-slot-9-RX
	DROP-TX	10	LINE-shelf-slot-9-TX
	COM-RX	12	LINE-shelf-slot-11-RX
	COM-TX	13	LINE-shelf-slot-11-TX
32 DMX	CHAN TX	1-32	CHAN-shelf-slot-i-TX (i=1..32)
	COM-RX	33	LINE-shelf-slot-1-RX
OPT-PRE	COM-RX	1	LINE-shelf-slot-1-RX
	COM-TX	2	LINE-shelf-slot-1-TX
	DC-RX	3	LINE-shelf-slot-2-RX
	DC-TX	4	LINE-shelf-slot-2-TX
40 DMX	CHAN TX	1 - 40	CHAN-shelf-slot-i-TX (i=1..40)
	COM RX	41	LINE-shelf-slot-1-RX
4 MD	CHAN-RX	1	CHAN-shelf-slot-1-RX
	CHAN-TX	2	CHAN-shelf-slot-1-TX
	CHAN-RX	3	CHAN-shelf-slot-2-RX
	CHAN-TX	4	CHAN-shelf-slot-2-TX
	CHAN-RX	5	CHAN-shelf-slot-3-RX
	CHAN-TX	6	CHAN-shelf-slot-3-TX
	CHAN-RX	7	CHAN-shelf-slot-4-RX
	CHAN-TX	8	CHAN-shelf-slot-4-TX
	COM-RX	9	LINE-shelf-slot-1-RX
	COM-TX	10	LINE-shelf-slot-1-TX
40 MUX	CHAN-RX	1-40	CHAN-shelf-slot-i-RX (i=1..40)
	COM-TX	41	LINE-shelf-slot-1-TX
32 DMX L	CHAN TX	1 - 32	CHAN-shelf-slot-i-TX (i=1..32)
	COM RX	33	LINE-shelf-slot-1-RX
32 WSS L	ADD-RX	1-32	CHAN-shelf-slot-i-RX (i=1..32)
	PT	33-64	CHAN-shelf-slot-i-PT (i=1..32)
	DROP-TX	69	LINE-shelf-slot-3-TX
	EXP-RX	66	LINE-shelf-slot-2-RX
	EXP-TX	65	LINE-shelf-slot-2-TX
	COM-RX	68	LINE-shelf-slot-1-RX
	COM-TX	67	LINE-shelf-slot-1-TX
	OPT-BST	COM-RX	1
	COM-TX	2	LINE-shelf-slot-1-TX
	OSC-RX	3	LINE-shelf-slot-2-RX
	OSC-TX	4	LINE-shelf-slot-2-TX
	LINE-RX	5	LINE-shelf-slot-3-RX
	LINE-TX	6	LINE-shelf-slot-3-TX

Table 26-34: CTC Port Numbers and TL1 Aids

OPT-BST E	COM-RX	1	LINE-shelf-slot-1-RX
	COM-TX	2	LINE-shelf-slot-1-TX
	OSC-RX	3	LINE-shelf-slot-2-RX
	OSC-TX	4	LINE-shelf-slot-2-TX
	LINE-RX	5	LINE-shelf-slot-3-RX
	LINE-TX	6	LINE-shelf-slot-3-TX
OPT-AMP L	COM-RX	1	LINE-shelf-slot-1-RX
	COM-TX	2	LINE-shelf-slot-1-TX
	DC-RX	7	LINE-shelf-slot-4-RX
	DC-TX	8	LINE-shelf-slot-4-TX
	OSC-RX	3	LINE-shelf-slot-2-RX
	OSC-TX	4	LINE-shelf-slot-2-TX
	LINE-RX	5	LINE-shelf-slot-3-RX
	LINE-TX	6	LINE-shelf-slot-3-TX
OPT-BST L	COM-RX	1	LINE-shelf-slot-1-RX
	COM-TX	2	LINE-shelf-slot-2-TX
	OSC-RX	3	LINE-shelf-slot-1-RX
	OSC-TX	4	LINE-shelf-slot-2-TX
	LINE-RX	5	LINE-shelf-slot-1-RX
	LINE-TX	6	LINE-shelf-slot-2-TX
MMU	EXPA-RX	5	LINE-shelf-slot-3-RX
	EXPA-TX	6	LINE-shelf-slot-3-TX
	EXP-RX	1	LINE-shelf-slot-1-RX
	EXP-TX	2	LINE-shelf-slot-1-TX
	COM-RX	3	LINE-shelf-slot-2-RX
	COM-TX	4	LINE-shelf-slot-2-TX
PSM	W-RX	1	LINE-shelf-slot-1-RX
	W-TX	2	LINE-shelf-slot-1-TX
	P-RX	3	LINE-shelf-slot-2-RX
	P-TX	4	LINE-shelf-slot-2-TX
	COM-RX	5	LINE-shelf-slot-3-RX
	COM-TX	6	LINE-shelf-slot-3-TX
AD 1B	BAND-RX	1	BAND-shelf-slot-1-RX
	BAND-TX	2	BAND-shelf-slot-1-TX
	EXP-RX	3	LINE-shelf-slot-1-RX
	EXP-TX	4	LINE-shelf-slot-1-TX
	COM-RX	5	LINE-shelf-slot-2-RX
	COM-TX	6	LINE-shelf-slot-2-TX
AD 1C	CHAN-RX	1	CHAN-shelf-slot-1-RX
	CHAN-TX	2	CHAN-shelf-slot-1-TX
	EXP-RX	3	LINE-shelf-slot-1-RX
	EXP-TX	4	LINE-shelf-slot-1-TX
	COM-RX	5	LINE-shelf-slot-2-RX
	COM-TX	6	LINE-shelf-slot-2-TX

Table 26-34: CTC Port Numbers and TL1 Aids

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AD 2C	CHAN-RX	1	CHAN-shelf-slot-1-RX
	CHAN-TX	2	CHAN-shelf-slot-1-TX
	CHAN-RX	3	CHAN-shelf-slot-2-RX
	CHAN-TX	4	CHAN-shelf-slot-2-TX
	EXP-RX	5	LINE-shelf-slot-1-RX
	EXP-TX	6	LINE-shelf-slot-1-TX
	COM-RX	7	LINE-shelf-slot-2-RX
	COM-TX	8	LINE-shelf-slot-2-TX
AD 4C	CHAN-RX	1	CHAN-shelf-slot-1-RX
	CHAN-TX	2	CHAN-shelf-slot-1-TX
	CHAN-RX	3	CHAN-shelf-slot-2-RX
	CHAN-TX	4	CHAN-shelf-slot-2-TX
	CHAN-RX	5	CHAN-shelf-slot-3-RX
	CHAN-TX	6	CHAN-shelf-slot-3-TX
	CHAN-RX	7	CHAN-shelf-slot-4-RX
	CHAN-TX	8	CHAN-shelf-slot-4-TX
	EXP-RX	9	LINE-shelf-slot-1-RX
	EXP-TX	10	LINE-shelf-slot-1-TX
	COM-RX	11	LINE-shelf-slot-2-RX
	COM-TX	12	LINE-shelf-slot-2-TX
32 WSS	ADD-RX	1-32	CHAN-shelf-slot-i-RX (i=1..32)
	PT	33-64	CHAN-shelf-slot-i-PT (i=1..32)
	DROP-TX	69	LINE-shelf-slot-3-TX
	EXP-RX	66	LINE-shelf-slot-2-RX
	RXP-TX	65	LINE-shelf-slot-2-TX
	COM-RX	68	LINE-shelf-slot-1-RX
	COM-TX	67	LINE-shelf-slot-1-TX
40 WSS CO	ADD-RX	1-40	CHAN-shelf-slot-i-RX (i=1..32)
	PT	41-80	CHAN-shelf-slot-i-PT (i=1..32)
	DROP-TX	85	LINE-shelf-slot-3-TX
	EXP-RX	82	LINE-shelf-slot-2-RX
	RXP-TX	81	LINE-shelf-slot-2-TX
	COM-RX	84	LINE-shelf-slot-1-RX
	COM-TX	83	LINE-shelf-slot-1-TX
32 DMXO	CHAN-TX	1-32	CHAN-shelf-slot-i-TX (i=1..32)
	COM-RX	33	LINE-shelf-slot-1-RX
32 MUXO	CHAN RX	1-32	CHAN-shelf-slot-i-RX (i=1..32)
	COM TX	33	LINE-shelf-slot-1-TX

Table 26-34: CTC Port Numbers and TL1 Aids