



# System Messages

This appendix lists the system messages for Cisco Transport Planner. They are classified as:

- [C.1 Error Messages](#)
- [C.2 Warning Messages](#)
- [C.3 Information Messages](#)



**Note**

In the System Messages, Cisco Transport Planner will replace {n} with a Site name, an Unit name, an Optical design rule, or a Number as applicable.

## C.1 Error Messages

Error Messages for Cisco Transport Planner are listed in [Table C-1](#):

**Table C-1**      **Error Messages**

| Message Type    | Error Message  |
|-----------------|--|
| Traffic mapping | Encryption property has changed. Network must be re-analyzed for this new property to be applied on the card. Do you wish to continue? |
| Traffic mapping | Revert back encryption to old value or allow re-analysis of network.   |
| Traffic mapping | Current Int/Deint forcing is not supported in current configuration.   |
| Traffic mapping | Demand {0} built from OCHNC is in invalid status ,Edit as required and right click and validate to analyze.                            |
| Traffic mapping | With 'Activate AR-XPE' Flag Active, we cannot have ClientPayG option enabled. Please disable it.                                       |
| Traffic mapping | 50 GHz scalability is supported only with {0} design rules.  |
| Traffic mapping | Verify if in Add/Drop sites, OADM units are forced and compatible with the traffic.  |
| Traffic mapping | No available wavelength due to units forced on optical bypass site {0}   |
| Traffic mapping | Verify if in the optical bypass interfaces there are wavelengths compatible units  |
| Traffic mapping | The network is broken: please connect all the sites together.  |
| Traffic mapping | The traffic model is empty: please add at least one service request.   |

**Table C-1** Error Messages (continued)

| Message Type    | Error Message   |
|-----------------|---|
| Traffic mapping | Number of add/drop nodes exceeded the maximum ({0}) allowed in the network.                                     |
| Traffic mapping | ONS15454 DWDM platform supports up to {0} non-pass-through sites.   |
| Traffic mapping | Line+ sites can't support DMX-O units due to layout constraints.  |
| Traffic mapping | Line+ sites can't support Individual Shelf with DCC chain option due to layout constraints.                     |
| Traffic mapping | DWDM pluggable {0} is restricted by the user.   |
| Traffic mapping | Any to Any traffic is not supported by {0} rules.   |
| Traffic mapping | Can't find a valid path between site {0} and site {1} due to ROADM demand strategy                              |
| Traffic mapping | Any to Any traffic requires ROADM units but ROADM is not allowed by restricted equipment list.                  |
| Traffic mapping | Can't place ROADM units in site {0} to support Any to Any traffic.  |
| Traffic mapping | ROADM configuration is not allowed by restricted equipment list.  |
| Traffic mapping | Mux Demux configuration is not allowed by restricted equipment list.  |
| Traffic mapping | Only ROADM configuration is allowed with selected design rules.   |
| Traffic mapping | ROADM is not allowed by the selected design rules.  |
| Traffic mapping | ROADM-O is not allowed with L band.   |
| Traffic mapping | Line+ or Terminal+ site topologies are not allowed by selected design rules.                                    |
| Traffic mapping | Line+ or Terminal+ site topologies require ROADM units but ROADM is not allowed by restricted equipment list.   |
| Traffic mapping | ROADM unit {0} defined in {1} is not allowed by restricted equipment list.                                      |
| Traffic mapping | Can't find a valid aggregating client.  |
| Traffic mapping | Can't find a valid client.  |
| Traffic mapping | Client {0} can't be tuned on wavelength {1}.  |
| Traffic mapping | Forced wavelength {0} is outside selected band.   |
| Traffic mapping | Forced client {0} can't be tuned on selected band.  |
| Traffic mapping | Interface Type {0} is not supported by the selected Design Rules.   |
| Traffic mapping | Add/Drop not available in site {0}.   |
| Traffic mapping | Maximum wavelength re-usage reached for ITU channel {0}.  |
| Traffic mapping | All solutions exceed {0} wavelengths. See the <a href="#">“C.4.1 Wavelength Exceeded”</a> section on page C-32. |
| Traffic mapping | The anti ASE option is available only in sites with add/drop capability.  |
| Traffic mapping | More than one anti ASE site was selected.   |
| Traffic mapping | Protected services are not allowed with linear networks.  |
| Traffic mapping | In a network with hub nodes protected services are allowed only between hub sites.                              |

**Table C-1 Error Messages (continued)**

| Message Type    | Error Message   |
|-----------------|---|
| Traffic mapping | Invalid routing (out of network boundary). See the <a href="#">“C.4.2 Invalid Routing”</a> section on page C-33.  |
| Traffic mapping | Can't route service with optical bypass in {0}.   |
| Traffic mapping | Can't find alternate route due to multiple HUB nodes along the path. See the <a href="#">“C.4.3 Cannot Find Alternate Route”</a> section on page C-33.                |
| Traffic mapping | Can't route service through HUB node {0}. See the <a href="#">“C.4.4 Cannot Route Service”</a> section on page C-34.  |
| Traffic mapping | Overlapped services assigned to the same wavelength. See the <a href="#">“C.4.5 Overlapped Services Assigned to the Same Wavelength”</a> section on page C-34.        |
| Traffic mapping | Protected services assigned to the same wavelength. See the <a href="#">“C.4.6 Protected Services Assigned to the Same Wavelength”</a> section on page C-35.          |
| Traffic mapping | Can't route service due to add drop equipment constraints. See the <a href="#">“C.4.7 Cannot Route Service Because of Add/Drop Constraints”</a> section on page C-35. |
| Traffic mapping | Design requires forcing a site as ROADM or Full Mux/Demux but no valid site was found.  |
| Traffic mapping | Design requires forcing site as ROADM or Full Mux/Demux: remove equipment constraints.  |
| Traffic mapping | Path constraints prevent routing of {0}   |
| Traffic mapping | Traffic subnet constraints prevent routing of {0}   |
| Traffic mapping | In a linear network, terminal sites must have structure Terminal  |
| Traffic mapping | Wavelength {0} may require additional ASE filtering   |
| Traffic mapping | 50 GHz scalability is supported only with {0} design rules  |
| Traffic mapping | The Network is broken: please connect all the sites together  |
| Traffic mapping | The traffic model is empty: please add at least one service request   |
| Traffic mapping | Number of add/drop nodes exceeded the maximum ({0}) allowed in the network  |
| Traffic mapping | ONS15454 DWDM platform supports up to {0} non-pass-through sites  |
| Traffic mapping | Line+ sites can't support DMX-O units due to layout constraints   |
| Traffic mapping | Line+ sites can't support Individual Shelf with DCC chain option due to layout constraints  |
| Traffic mapping | Client {0} is not available in the equipment list   |
| Traffic mapping | Any to Any traffic is not supported by {0} rules  |
| Traffic mapping | Any to Any traffic requires ROADM units but ROADM is not allowed by restricted equipment list   |
| Traffic mapping | Can't place ROADM units in site {0} to support Any to Any traffic   |
| Traffic mapping | ROADM configuration is not allowed by restricted equipment list   |
| Traffic mapping | WXC configuration is not allowed by restricted equipment list   |

**Table C-1** Error Messages (continued)

| Message Type    | Error Message   |
|-----------------|---|
| Traffic mapping | Mux Demux configuration is not allowed by restricted equipment list   |
| Traffic mapping | Only ROADM configuration is allowed with selected design rules  |
| Traffic mapping | Multidegree structure in site {0} is not allowed with selected design rules   |
| Traffic mapping | ROADM is not allowed by the selected design rules   |
| Traffic mapping | ROADM-O is not allowed with L band  |
| Traffic mapping | Line+ or Terminal+ site topologies are not allowed by selected design rules   |
| Traffic mapping | Line+ or Terminal+ site topologies require ROADM units but ROADM is not allowed by restricted equipment list                              |
| Traffic mapping | OADM unit {0} defined in {1} is not allowed by restricted equipment list  |
| Traffic mapping | In mesh network user must force OADM units for site configured as OADM  |
| Traffic mapping | Can't find a valid aggregating client   |
| Traffic mapping | Can't find a valid client   |
| Traffic mapping | Can't find a valid XFP  |
| Traffic mapping | Client {0} can't be tuned on wavelength {1}   |
| Traffic mapping | Forced wavelength {0} is outside selected band  |
| Traffic mapping | Forced client {0} can't be tuned on selected band   |
| Traffic mapping | Interface Type {0} is not supported by the selected Design Rules  |
| Traffic mapping | Add/Drop not available in site {0}  |
| Traffic mapping | Maximum wavelength re-usage reached for ITU channel {0}   |
| Traffic mapping | All solutions exceed {0} wavelengths  |
| Traffic mapping | The anti ASE option is available only in sites with add/drop capability   |
| Traffic mapping | More than one anti ASE site was selected  |
| Traffic mapping | No specific anti-ASE node is required for this traffic matrix requirement   |
| Traffic mapping | Protected services are not allowed with linear networks   |
| Traffic mapping | In a network with hub nodes protected services are allowed only between hub sites   |
| Traffic mapping | Invalid routing (out of network boundary)   |
| Traffic mapping | Can't route service with optical bypass in {0}  |
| Traffic mapping | Can't find alternate route due to HUB nodes along the path  |
| Traffic mapping | Can't route service through HUB node {0}  |
| Traffic mapping | Overlapped services assigned to the same wavelength   |
| Traffic mapping | Routing for some of the services cannot be completed with the given constraints. Please use the link aside for details about the problem. |
| Traffic mapping | Protected services assigned to the same wavelength  |
| Traffic mapping | Can't route service due to add drop equipment constraints   |

**Table C-1 Error Messages (continued)**

| Message Type    | Error Message   |
|-----------------|---|
| Traffic mapping | Design requires forcing a site as ROADM or Full Mux/Demux but no valid site was found                       |
| Traffic mapping | Design requires forcing site as ROADM or Full Mux/Demux: remove equipment constraints                       |
| Traffic mapping | PP4 is not allowed in site {0} (fiber interfaces are limited to A,B,C and D)                                |
| Traffic mapping | No valid path from {0} to {1}   |
| Traffic mapping | No valid path from {0} to {1}, bypass in {2}  |
| Traffic mapping | Wavelength forced outside of selected band for {0}  |
| Traffic mapping | Client {0} can't be tuned at {1}  |
| Traffic mapping | Invalid functionality option for structure {0} in site {1}  |
| Traffic mapping | Invalid mux - demux configuration in site {0}   |
| Traffic mapping | Invalid mux - demux combination on two sides of site {0}  |
| Traffic mapping | Unit options are not compatible with design rule {0} in site {1}  |
| Traffic mapping | Unit options are not compatible with design rules in site {0}   |
| Traffic mapping | Unit {0} is not available in Restricted Equipment List  |
| Traffic mapping | Mesh topology not supported yet   |
| Traffic mapping | Network Cluster {0} requires mesh algorithm   |
| Traffic mapping | Unconnected site {0}  |
| Traffic mapping | Incompatible port {0} assignment in site {1}  |
| Traffic mapping | No valid SFP was found for port {0} in site {1}   |
| Traffic mapping | Only one GE-ST524 can be assigned to port {0} in site {1}   |
| Traffic mapping | Incompatible rate/reach options circuit {0}   |
| Traffic mapping | Incompatible rate/reach options for port {0} in site {1}  |
| Traffic mapping | Incompatible CIR settings for port {0} in site {1}  |
| Traffic mapping | Can't find a valid SFP for port {0} in site {1}   |
| Traffic mapping | Port {0} in site {1} is not available   |
| Traffic mapping | Exceeded rate for port {0} in site {1}  |
| Traffic mapping | Can't provision circuit {0}   |
| Traffic mapping | Maximum frame rate exceeded in section {0} - {1}  |
| Traffic mapping | Maximum frame rate exceeded in node {0}   |
| Traffic mapping | Protected circuits are not allowed in a linear traffic subnet   |
| Traffic mapping | Invalid routing {0}   |
| Traffic mapping | Client protection is not allowed if all nodes are single card configuration                                 |
| Traffic mapping | Trunk protection with no client protection is not allowed if at least one node is double card configuration |
| Traffic mapping | Client protection with no trunk protection is not allowed   |
| Traffic mapping | Errors were found on {0}: please run the checker and fix all problems                                       |

**Table C-1** Error Messages (continued)

| Message Type    | Error Message   |
|-----------------|---|
| Traffic mapping | Client and trunk protections are not allowed at the same time on port {0} in site {1}   |
| Traffic mapping | 50 GHz scalability is not supported with Ethernet or TDM aggregated demands   |
| Traffic mapping | Cards required for {0} demand are not available in the equipment list   |
| Traffic mapping | Impossible to find two independent paths for protected service  |
| Traffic mapping | Structure {0} is not supported for design rule {1}  |
| Traffic mapping | No available wavelength found due to traffic constraints  |
| Traffic mapping | Too many add/drop nodes ({0} > {1}) in cluster {2}  |
| Traffic mapping | Too many nodes ({0} > {1}) in cluster {2}   |
| Traffic mapping | Too many ROADMs ({0} > {1}) in group {2}  |
| Traffic mapping | Demand {0} defined on traffic subnet {1} is in an invalid status  |
| Traffic mapping | Demand {0} is crossing different sites clusters   |
| Traffic mapping | PP4 forced on site {0} can handle at most 4 sides   |
| Traffic mapping | {0} in Any to Any demand doesn't support 50 GHz scalability   |
| Traffic mapping | Regeneration not available  |
| Traffic mapping | Alien traffic type cannot be regenerated  |
| Traffic mapping | Regeneration not allowed  |
| Traffic mapping | Regeneration not allowed for PSM-OCH protected demands  |
| Traffic mapping | Cards forced in the trails of PRing are not compatible  |
| Traffic mapping | L Band Option not allowed with PSM topology   |
| Traffic mapping | 32MUX-O/32-DMX-O cards are not allowed for PSM configuration  |
| Traffic mapping | Optical ByPass not allowed with PSM Config  |
| Traffic mapping | Regeneration not allowed with PSM Config  |
| Traffic mapping | Only LINE site topology is allowed between PSM config   |
| Traffic mapping | Only OLA and Passthrough sites allowed between PSM config   |
| Traffic mapping | Only Passthrough sites allowed between PSM Config   |
| Traffic mapping | Terminal or Terminal Plus configurations are not allowed for PSM Och protection   |
| Traffic mapping | Is not allowed to insert circuit from site {0} to site {1} because is tagged as Omnidirectional Entry Point configuration               |
| Traffic mapping | Is not allowed to insert Any to Any Group contains site {0} and site {1} because is tagged as Omnidirectional Entry Point configuration |
| Traffic mapping | No Interoperable group found for the card selection. Please check if its a valid card selection   |
| Traffic mapping | All the trails of the P-Ring should have same card  |
| Traffic mapping | Restricted Equipment forced by user tm.client_restricted2.details = Client {0} is not available in the equipment list                   |

**Table C-1 Error Messages (continued)**

| <b>Message Type</b> | <b>Error Message</b>   |
|---------------------|--|
| Traffic mapping     | Incompatible source and destination  |
| Traffic mapping     | Forced source and destination cards are not compatible   |
| Traffic mapping     | Demand cannot be regenerated   |
| Traffic mapping     | Conflicting trunk mode   |
| Traffic mapping     | Unfeasible trunk mode forcing by the user  |
| Traffic mapping     | Cannot force different cards for protection {0} in demand {1}  |
| Traffic mapping     | Trunk pluggable not found. The pluggable(s) may be restricted by the user.                             |
| Traffic mapping     | No trunk pluggable found for the user forced card  |
| Traffic mapping     | Unfeasible card mode forcing by user   |
| Traffic mapping     | OTU2 XP can have both in/out going trunks in EFEC only in Enhanced Regen Mode                          |
| Traffic mapping     | No suitable card found   |
| Traffic mapping     | Unable to find a compatible card for source or destination   |
| Traffic mapping     | Alien traffic type cannot be regenerated   |
| Traffic mapping     | User must force OADM units for sites configured as OADM.   |
| Traffic mapping     | Mux-Demux should not be forced for site ( {0} ) as it is not supported by the site type.               |
| Traffic mapping     | For hybrid 216 {0} only FLA8 and MD-40 Mux/Demux is allowed.   |
| Traffic mapping     | The express loss in the site {0} is High. Please reduce the number of FLAs.                            |
| Traffic mapping     | The add/drop loss in the site {0} is High. Please reduce the number of FLAs.                           |
| Traffic mapping     | We cannot mix hybrid 15216 sites with non-hybrid pure MSTP site {0}.                                   |
| Traffic mapping     | We must have atleast one Hub site in a Ring Topology.  |
| Traffic mapping     | ROADM demands are not allowed with 15216 hybrid network.   |
| Traffic mapping     | L-Band optical subnet rule is not supported in 15216 network.  |
| Traffic mapping     | Multiple optical subnets are not supported in single 15216 cluster.                                    |
| Traffic mapping     | A 15216 network is capable only till C Band odd 40ch. Please remove any higher capacity selected {0}.  |
| Traffic mapping     | We cannot force FLA8 {0} in a 40 ch optical subnet.  |
| Traffic mapping     | Site type Mux/Demux not allowed for {0} in 8 ch optical subnet.  |
| Traffic mapping     | Optical by pass at {0} is not allowed with 15216 Network.  |
| Traffic mapping     | PSM Line or Section protection at {0} is not allowed with 15216 network.                               |
| Traffic mapping     | There is an overlap in the Route involving {0}. This may be due to the order of regeneration selected. |
| Traffic mapping     | Trunk protection with no client protection is not allowed for selected traffic type.                   |
| Traffic mapping     | ROADM demand is not supported for PSM Line, PSM Section topology.                                      |
| Traffic mapping     | Optical Bypass is not allowed in a non Add Drop Site {0}.  |

**Table C-1** Error Messages (continued)

| Message Type    | Error Message   |
|-----------------|---|
| Traffic mapping | SMR Multidegree site {0} cannot have an omni-direction entry interface.   |
| Traffic mapping | SMR Multidegree is not allowed in site {0} (fiber interfaces are limited to A,B,C and D)  |
| Traffic mapping | PP-Mesh-4-SMR is restricted. SMR Multidegree is not possible in site {0}  |
| Traffic mapping | SMR-1 is restricted. Site {0} type cannot be SMR-1  |
| Traffic mapping | SMR-2 is restricted. Site {0} type cannot be SMR-2  |
| Traffic mapping | Incorrect Client Interface forcing for LAN-WAN Conversion traffic.  |
| Traffic mapping | Incompatible Client Interface forcing.  |
| Traffic mapping | Y-Cable protection is not allowed with electrical SFP.  |
| Traffic mapping | Incompatible trunk Interface forcing  |
| Traffic mapping | 10G-XR support w/o FEC trunk interface only.  |
| Traffic Mapping | Cannot Route demand! Didn't find any colorless ports free.  |
| Traffic Mapping | A demand Added or Dropped to a Remote Add/Drop Site cannot be Colorless.  |
| Traffic Mapping | This demand is conflicting with the Wavelength {0} with some other new demand.Please unlock the demand and re-analyze.            |
| Traffic Mapping | 50Ghz design is not allowed for site {0} with Remote Add/Drop.  |
| Traffic Mapping | Invalid Structure for {0}. Only Multidegree Site can be OmniDirectional.  |
| Traffic Mapping | Cannot Route demand! Didn't find any colorless ports free.  |
| Traffic Mapping | Cannot Route demand! Didn't find any valid OmniDirectional Side.  |
| Traffic Mapping | OmniDirectional Sides not possible for this protected demand in {0}.<br>Atleast two sides needs to be available.                  |
| Traffic Mapping | Cannot Route demand! Didn't find any OmniDirectional Side for {0}.  |
| Traffic Mapping | OmniDirectional Side not possible in {0}. No Free side left.  |
| Traffic Mapping | Optical ByPass is not allowed for OmniDirectional or(and) Colorless Demand.   |
| Traffic Mapping | No Colorless Ports found in {1}. Please force the {0} as OmniDirectional or force any Line Side in the site with Colorless Ports. |
| Traffic Mapping | Atleast one colorless port must be forced for demand {0} at {1}.  |
| Traffic Mapping | Incompatible configuration with SMR. Please unlock {0}.   |
| Traffic Mapping | Unit {0} is not available in equipment list.  |
| Traffic Mapping | Demand {0} defined on traffic subnet {1} is in an invalid status.   |
| Traffic Mapping | Hybrid layout option is not supported for SMR site types.   |
| Traffic Mapping | Raman Amplification is not supported with SMR site types.   |
| Traffic Mapping | Side/Side Cabling option should be Auto for SMR2 type in site {0}.  |
| Traffic Mapping | Omni-directional interface is not allowed for site type {0}.  |
| Traffic Mapping | Omni-directional interface is not allowed for site functionality {0}.   |
| Traffic Mapping | Invalid mux-demux forcing.  |

Table C-1 Error Messages (continued)

| Message Type    | Error Message  |
|-----------------|--|
| Traffic Mapping | Colorless ports not allowed for site type {0}.   |
| Traffic Mapping | {0} has only {1} Layer-I Colorless Ports against the needed {2} ports.Please update the forcings.                    |
| Traffic Mapping | {0} has only {1} Colorless ports available.Layer-II units are not allowed for non-omnidirectional OXC/SMR interface. |
| Traffic Mapping | Site Connected to Remote Spur Duct should be of functionality Add/Drop and type Mux-Demux.                           |
| Traffic Mapping | Selected functionality or type does not support Remote Add/Drop Port on it.  |
| Traffic Mapping | Mux-Demux should not be forced on side ( {0} ) which is not connected to any duct and not forced as omnidirectional. |
| Traffic Mapping | Mux-Demux cards cannot be forced on {0} ,Since second layer cascade is not allowed on {1} site.                      |
| Traffic Mapping | Forcing of mux/demux is not allowed on {0},since all available add/drop ports has been remotize'd.                   |
| Traffic Mapping | Forced Site type does not allow to remotize more than {0} add/drop ports.  |
| Traffic mapping | Preamplifier setting on {0} is not compatible with M2 chassis type setted on this site.                              |
| Traffic mapping | Booster amplifier setting on {0} is not compatible with M2 chassis type setted on this site.                         |
| Traffic mapping | In {0}, OSC-CSM forcing is not compatible with OSC frame type selected.  |
| Traffic mapping | [SiteName1], [SiteName 2] Do not have colorless ports.   |
| Traffic mapping | [SiteName1], [SiteName 2] Do Do not have 2 Omni Interfaces.  |
| Traffic mapping | [SiteName1], [SiteName 2] Do Do not have 1 Omni Interface.   |
| Traffic mapping | [SiteName1], [SiteName 2] are not Multi Degree.  |
| Traffic mapping | [SiteName1], [SiteName 2] do not have 2 Omni Interfaces with at least 1 colorless port each.                         |
| Traffic mapping | [SiteName1], [SiteName 2] do not have Omni Interfaces with at least 2 colorless ports each.                          |
| Traffic mapping | Site is not LINE or LINE plus.   |
| Traffic mapping | Chromatic dispersion of the two fibers are not same.   |
| Traffic mapping | Chromatic dispersion-L of the two fibers are not same.   |
| Traffic mapping | Subnet rules (C Band) of the two fibers are not same.  |
| Traffic mapping | Subnet rules (L Band) of the two fibers are not same.  |
| Traffic mapping | DCN extension rule of the two fibers are not same.   |
| Traffic mapping | OSC Framing rule of the two fibers are not same.   |
| Traffic mapping | Fiber type of the two fibers are not same.   |
| Traffic mapping | Connection type of the two fibers are not same.  |
| Traffic mapping | C-Band option of the two fibers are not same.  |

**Table C-1** Error Messages (continued)

| Message Type    | Error Message  |
|-----------------|--|
| Traffic mapping | Site has a remote add-drop node connected to it.   |
| Traffic mapping | Absolute length loss of the two fibers are not same.   |
| Traffic mapping | Raman amp option of the two fibers are not same.   |
| Traffic mapping | Measurement unit (e.g. k.m., miles etc.) of the two fibers are not same.   |
| Traffic mapping | Cannot Merge Ducts [Duct1] and [Duct 2].   |
| Traffic mapping | Do you want the ducts connected to be merged Click Yes if you want to Merge or else No to delete the Ducts Apply Changes.  |
| Traffic mapping | Can only Merge Fibers for Line or Line Plus site [SiteName] is [topology].   |
| Traffic mapping | No free colorless port is available in {0} for {1} ROADM demand  |
| Traffic mapping | Invalid Mux-DeMux and OADM Forcing {0}   |
| Traffic mapping | Site Connected to Remote Spur Duct should be of functionality Add/Drop and type Mux-Demux (OR) OADM with FLD Units Forced.   |
| Traffic mapping | OADM units forced after unlocking the Node Add/Drop Mux/De-Mux, Unlock the service demands which are adding or dropping for site {0} interface {1}   |
| Traffic mapping | Either OADM units changed to FLD or FLD units changed to oadm cards, Unlock the service demands which are adding or dropping for site {0} interface {1}  |
| Traffic mapping | Any-to-Any traffic is not supported with fixed OADM cards.   |
| Traffic mapping | Site {0} is forced with non FLD4 Units. Multiple Optical ByPass is allowed only with FLD4 units.   |
| Traffic mapping | Incompatible Client sfp forcing.   |
| Traffic mapping | The configuration requires upgrade of Line site {0} to multi-degree. Please unlock the site to proceed.  |
| Traffic mapping | Incompatible Client Interface forcing  |
| Traffic mapping | Y-Cable protection is not allowed with forced optical SFP  |
| Traffic mapping | There is no {0} -> {1} configuration supporting colorless non-100G traffic.  |
| Traffic mapping | The present number of Omnidirectional Sides exceeds the number which can be supported by the selected 'Scalable Upto Degree' parameter at {0}. Maximum omnidirectional sides supported is {1}. |
| Traffic mapping | Invalid number of line sides at {0}  |
| Traffic mapping | Traffic matrix at {0} is not supported. There is no Mux/Demux configuration supporting termination of colored and colorless traffic.   |
| Traffic mapping | Traffic matrix at {0} is not supported. No free ports available to route the configured demands.   |
| Traffic mapping | Forced 100G+non-100G colorless ports can't be supported at {0}. Maximum colorless ports allowed at this interface is {1}.  |
| Traffic mapping | {0} cannot have more than {1} Non-100G colorless ports forced  |

Table C-1 Error Messages (continued)

| Message Type    | Error Message   |
|-----------------|---|
| Traffic mapping | Side {0} of MSTP Site {1} is forced with 48 /96 channel rule which is not supported . Please create a MSTP supported optical subnet rule.   |
| Traffic mapping | Auto Upgrade of Site {0} from Line to Multidegree is not possible as total number of colorless 100 G ports and non 100G ports exceeds 13 at the interface {1}                               |
| Traffic mapping | Client interface {0} is not supported on sites of node type NG-DWDM.  |
| Traffic mapping | Mix of NG-DWDM and MSTP nodes is not allowed.   |
| Traffic mapping | WXC-16 is not supported on 8 Channel Design Rule.   |
| Traffic mapping | DWDM Trunk adapter {0} is not supported on sites of node type NG-DWDM.  |
| Traffic mapping | Traffic matrix at {0} is not supported. Sum of forced 100G, non-100G colorless ports and colored demands can't be greater than the number of channels supported by the optical subnet rule. |
| Traffic mapping | Traffic matrix at {0} is not supported. Sum of forced 100G, non-100G colorless ports and colored demands (including A2A demand) can't be greater than 96 for omnidirectional sides.         |
| Traffic mapping | Traffic matrix at {0} is not supported. No free wavelength available to route the configured number of omnidirectional demands.   |
| Traffic mapping | Traffic matrix at {0} is not supported. For A2A colored to be simulated, there should be at least one unreserved wavelength.  |
| Traffic mapping | Could not find any valid flex configuration for the traffic matrix defined at {0}. This could be because of configuration limitations, invalid forcings or equipment restrictions.          |
| Traffic mapping | Number of sides are more than 8 at MSTP site {0}. This is not allowed.  |
| Traffic mapping | The present number of line Sides exceeds the number which can be supported by the selected 'Scalable Upto Degree' parameter at {0}.   |
| Traffic mapping | Invalid number of colorless 100G ports at {0}. There is no {1} -> Mux/Demux configuration supporting more than 64 colorless 100G demands.   |
| Traffic mapping | Remote spur is present at Site {0}. NG-DWDM does not support remote spur.   |
| Traffic mapping | Invalid Omni Side forcing at {0}. 4x4-COFS can't support omnidirectional functionality for more than 4 degree node.   |
| Traffic mapping | Traffic matrix at {0} is not supported. There is no sufficient 100G ports available for the configuration.  |
| Traffic mapping | No valid Omnidirectional side to route the Roadm demand.  |
| Traffic mapping | No valid Omnidirectional side with colorless ports to route the Roadm demand.   |
| Traffic mapping | Traffic matrix at Site {0} is not supported. Configuration at Side {1} is incompatible with configurations at other omni sides due to Optical restrictions.                                 |

**Table C-1** Error Messages (continued)

| Message Type    | Error Message   |
|-----------------|---|
| Traffic mapping | The current traffic matrix at side {0} cannot be supported with locked flex configuration at the side. Please unlock the corresponding site or change route of newly added demands. |
| Traffic mapping | This demand is not allowed to pass through nodes having FLD-OSC and nodes having active Add/Drop or ROADM cards because of Automatic Laser Shutdown (ALS).                          |
| Traffic mapping | Forced colorless ports can't be greater than {0}, the number of channels supported by the optical subnet rule {1}   |
| Traffic mapping | Y-Cable protection is not allowed on Falco cards SFP and QSFP ports   |
| Traffic mapping | PSM demands are being added to/dropped from contentionless unit in interface is not allowed for this demand.  |
| Traffic mapping | Configuration not SVT tested/Unsupported: {0}. Please contact Custom Design for validation.   |
| Traffic mapping | The sum of forced CoDem and Non-CoDem colorless ports and colored demands can't be greater than 20 for type SMR-20.   |
| Traffic mapping | The sum of CoDem and Non-CoDem colorless ports, Colored Ports and ports used for Omni sides cannot exceed 16 when the TYPE is SMR-20.   |
| Traffic mapping | The sum of CoDem and Non-CoDem colorless ports, Colored Ports and ports used for Omni sides cannot exceed 8 when the TYPE is SMR-9.   |
| Traffic mapping | Traffic matrix at {0} is not supported. The maximum number of Non-CoDem colorless ports allowed is 20.  |
| Traffic mapping | Traffic matrix at {0} is not supported. The maximum number of colorless ports allowed is 96.  |
| Traffic mapping | The number of Omnidirectional and Contentionless sides at site {0} exceeds the maximum allowed number of 8.   |
| Traffic mapping | Omnidirectional Side is not supported on SMR20.   |
| Traffic mapping | The sum of CoDem and Non-CoDem colorless ports, Colored Ports and ports used for Omnidirectional and Contentional sides cannot exceed 20 when the TYPE is SMR-20.                   |
| Traffic mapping | The sum of CoDem and Non-CoDem colorless ports, Colored Ports and ports used for Omnidirectional and Contentional sides cannot exceed 9 when the TYPE is SMR-9.                     |
| Traffic mapping | The Number of Omnidirectional + Contentionless sides have exceeded the capacity of the PP-Mesh, Please decrease the number of Omni or contentionless sides to a <= 9.               |
| Traffic mapping | The sum of CoDem and Non-CoDem colorless ports, Colored Ports and ports used for Omnidirectional and Contentional sides cannot exceed 20 when the TYPE is PP-MESH-AD5.              |
| Traffic mapping | The sum of forced CoDem and Non-CoDem colorless ports can't be greater than 20 when Type is forced as AUTO or SMR-20.   |
| Traffic mapping | The sum of forced CoDem and Non-CoDem colorless ports can't be greater than 9 when Type is forced as SMR-9.   |

**Table C-1 Error Messages (continued)**

| <b>Message Type</b>     | <b>Error Message</b>  |
|-------------------------|---|
| Traffic mapping         | The sum of CoDem and Non-CoDem colorless ports and ports used for Omni sides cannot exceed 16 when the TYPE is forced as AUTO or SMR-20.  |
| Traffic mapping         | The sum of CoDem and Non-CoDem colorless ports and ports used for Omni sides cannot exceed 8 when the TYPE is forced as SMR-9.  |
| Traffic mapping         | The sum of CoDem and Non-CoDem colorless ports and ports used for Omnidirectional and Contentional sides cannot exceed 20 when the TYPE is SMR-20.  |
| Traffic mapping         | The sum of CoDem and Non-CoDem colorless ports and ports used for Omnidirectional and Contentional sides cannot exceed 9 when the TYPE is SMR-9.  |
| Traffic mapping         | The sum of CoDem and Non-CoDem colorless ports and ports used for Omnidirectional and Contentional sides cannot exceed 20 when the TYPE is PP-MESH-AD5.   |
| Traffic mapping         | The Number of Omnidirectional + Contentionless sides have exceeded the capacity of the PP-Mesh with Scalable Upto Degree set to 4, Please decrease the number of Omni or contentionless sides to a <= 9 |
| Traffic mapping         | The Number of Omnidirectional + Contentionless sides have exceeded the capacity of the PP-Mesh with Scalable Upto Degree set to 8, Please decrease the number of Omni or contentionless sides to a <= 5 |
| Traffic mapping         | PP-MESH-AD5 is valid only for Scalable upto degree of 4 and 8   |
| Traffic mapping         | The CoDem Ports are supported in range of 0-4 in case of Scalable up to Degree-4, else if not Scalable upto 4 Codem colorless ports are not applicable for Omnidirectional side.                        |
| Traffic mapping         | The Non-Codem colorless ports is not applicable for Omnidirectional side.   |
| Traffic mapping         | The CoDem Ports are supported in range of 0-4 in case of 12-AD and 0-16 in case of 16-Ad.   |
| Traffic mapping         | The Non-Codem colorless ports is not applicable for Contentionless side.  |
| Traffic mapping         | The CoDem Ports are supported in range of 0-4 in case of 12-AD and 0-16 in case of 16-Ad.   |
| Traffic mapping         | The CoDem Ports are supported in range of 0-4 in case of Scalable up to Degree-4, else if not Scalable upto 4 Codem colorless ports are not applicable for Omnidirectional side.                        |
| Traffic mapping         | The 12-AD Contentionless Side Type id not supported for Terminal config.  |
| Traffic mapping         | The Non-Codem colorless port are not applicable for Contentionless side.  |
| Traffic mapping         | The CoDem Ports are supported in range of 0-16.   |
| Network design analysis | Preamplifier setting on {0} is not compatible with M2 chassis type setted on this site.   |
| Network design analysis | FLD-OSC is not supported on the selected site type of Site{0}. FLD-OSC is allowed only on OLA/OADM/Mux-Demux Site types with passive Mux-Demux units.   |

**Table C-1 Error Messages (continued)**

| Message Type            | Error Message   |
|-------------------------|---|
| Network design analysis | Booster amplifier setting on {0} is not compatible with M2 chassis type setted on this site.  |
| Network design analysis | In {0}, OSC-CSM forcing is not compatible with OSC frame type selected.   |
| Network design analysis | Node {0} is attached to SMR-2 site {1} through an interface tagged as Omnidirectional Entry Point and therefore no amplifier can be forced. |
| Network design analysis | {0} is configured as a Remote Add/Drop side and therefore no amplifier can be forced.   |
| Network design analysis | Link {0}-{1} is a remote spur and therefore no amplifier can be forced.   |
| Network design analysis | Link {0}-{1} is a remote spur and therefore Raman amplification is not supported.   |
| Network design analysis | Link {0}-{1} is a remote spur and therefore DCN must be enabled.  |
| Network design analysis | Interface {0} is configured as Omnidirectional and therefore amplifiers cannot be forced as None.   |
| Network design analysis | Interface {0} is configured as Omnidirectional and therefore the OSC unit is not allowed.   |
| Network design analysis | In {0} is impossible to find an OSC unit that supports selected OSC frame type and site constraints.  |
| Network design analysis | Raman amplification is not supported on duct {0}, connecting two hybrid sites.  |
| Network design analysis | Some circuit exceeded the maximum number of allowed amplified spans. Please contact Custom Design team for validating the design.           |
| Network design analysis | Service type {0} does not allow DCU on its optical path. Please force related DCU positions to NONE.  |
| Network creation        | Omni-directional side {0} - {1} is not used by any Service Demand.  |
| Network creation        | Installation parameters for this side cannot be generated; please take corrective actions before loading ANS file to this node.             |
| Network creation        | Service type {0} does not allow DCU on its optical path. Please force related DCU positions to NONE.  |
| Network creation        | All available Add-Drop Amplifiers are restricted by the user.   |
| Network creation        | The booster amplifier forced on at {0} is incompatible with the EDRA1   |
| Network creation        | Both Pre and Booster amplifiers at {0} are forced to none, hence OSC seperation can't be done.  |
| Network creation        | {0} has booster amplifier forced to none; Allow booster or force the OSC card.  |
| Network creation        | The side {0} is facing a MSTP Site and hence EDRA forcing is not allowed. Pls check the Amplifier forcings.                                 |
| Network creation        | EDRA cannot be forced on the Omni Side {0} . Please check the Amplifier Forcings.   |
| Network creation        | {0} has a non-EDRA amplifier while both sides of duct should have EDRA  |
| Network creation        | Raman Flag is enabled on duct {0}. However the amp forcings are incompatible.Please check the amplifier forcings.                           |

Table C-1 Error Messages (continued)

| Message Type        | Error Message   |
|---------------------|---|
| Amplifier Placement | Only EDFA-24 and EDFA-17 compatible with 96 Channel and 48 Channel Rules.   |
| Amplifier Placement | Automatic Node Turn-Up: In {0}, 32 channels cards are not supported in WXC site.  |
| Amplifier Placement | Automatic Node Turn-Up: In {0}, different design rules for different spans are not supported  |
| Amplifier Placement | Automatic Node Turn-Up: In {0}, Line+ node does not support the selected design rule  |
| Amplifier Placement | Automatic Node Turn-Up: In {0}, multidegree node does not support the selected design rule.   |
| Amplifier Placement | Automatic Node Turn-Up: In {0}, only WXC functionality is supported   |
| Amplifier Placement | Automatic Node Turn-Up: In {0}, 40-MUX-C or 40-DMX-C is not supported.  |
| Amplifier Placement | In {0}, required {1} is in restricted equipment list  |
| Amplifier Placement | In {0}, cannot force a demux if it is not supported by site type.   |
| Amplifier Placement | In {0}, cannot force a mux if it is not supported by site type.   |
| Amplifier Placement | In {0}, cannot force an in-line attenuator if it is not supported by site type.   |
| Amplifier Placement | In {0}, cannot force an in-line attenuator because of presence of OADMs in the other side.  |
| Amplifier Placement | Node {0} is set as Pass-through and therefore no hardware or setpoint can be forced   |
| Amplifier Placement | Node {0} faces a raman amplified span, forcing not feasible   |
| Amplifier Placement | Forcing of Raman on {0} is not compatible with the amplifier forcing done in Node {1}. Please correct the forcings done.            |
| Amplifier Placement | Selection of OPT-BST or OPT-BST-E units as pre-amplifier is allowed only if Raman is used on {0}. Please correct the forcings done. |
| Amplifier Placement | Raman Amplifier configuration for {0} is not allowed by restricted equipment list   |
| Amplifier Placement | Raman post amp forcing is not allowed for {0}   |
| Amplifier Placement | In {0}, OSC card cannot be set to "none"  |
| Amplifier Placement | In {0}, cannot force OSCM card in hybrid node   |
| Amplifier Placement | In {0}, cannot force output power or tilt setpoint without the related amplifier forced.  |
| Amplifier Placement | Invalid forcing in amplifier node of {0} because of Pass-through site forcing.  |
| Amplifier Placement | In {0}, cannot force unplaced OSC card in a non Pass-through site.  |
| Amplifier Placement | In {0}, cannot force OSCM without an amplifier forced.  |
| Amplifier Placement | Cannot force input attenuator in {0} without the related amplifier forced.  |
| Amplifier Placement | Cannot force DCUs in {0} without forcing an amplifier that supports them.   |
| Amplifier Placement | Incompatible types for DCU couple in {0}.   |

**Table C-1** Error Messages (continued)

| Message Type        | Error Message   |
|---------------------|---|
| Amplifier Placement | Incompatible dispersion modules in {0}  |
| Amplifier Placement | In {0}, output power is out of limits of amplifier selected.  |
| Amplifier Placement | In {0}, amplifier tilt is out of allowed range.   |
| Amplifier Placement | Couple between {1} and {2} has an invalid value in {0}  |
| Amplifier Placement | Couple between {0} and {1} is of invalid type   |
| Amplifier Placement | Fiber between {1} and {2} has an invalid value in {0}   |
| Amplifier Placement | Fiber between {0} and {1} has SOL total loss greater than EOL total loss.   |
| Amplifier Placement | Span {0} is forced as Raman but no traffic is present   |
| Amplifier Placement | In {0} interfaces selected for add channels cannot be equalized with 40-MUX-C.                                    |
| Amplifier Placement | Try selecting fewer or more similar interface types, and/or do not use the 40-MUX-C card                          |
| Amplifier Placement | Can't respect forcing on {0} attenuator (on channel {1}) in {2} {3} {4}. No A/D ports are available               |
| Amplifier Placement | Only EDFA-17/24 and EDRA cards compatible with 96Channel and 48Channel Rules                                      |
| Amplifier Placement | Tilt forced on {0} in {1} {2} {3} when no-tilt design option is selected  |
| Amplifier Placement | DMX-O is suggested as drop unit in {0} instead of the forced DMX.   |
| Amplifier Placement | DMX might cause problems during channels provisioning and or in case of equipment failures.                       |
| Amplifier Placement | Fail low channel threshold cannot be set in {0} {1} {2}; please allow placement of booster amplifier.             |
| Amplifier Placement | In {0}, {1} is working with a gain of {2} dB: this value is below its minimum allowed gain.                       |
| Amplifier Placement | In {0}, {1} in EOL condition will be working with a gain of {2} dB: this value is below its minimum allowed gain. |
| Amplifier Placement | In {0}, {1} is working with a gain of {2} dB: this value exceeds its maximum allowed gain.                        |
| Amplifier Placement | In {0}, {1} in EOL condition will be working with a gain of {2} dB: this value exceeds its maximum allowed gain.  |
| Amplifier Placement | Site {0} cannot be installed without Cisco Transport Planner configuration file.                                  |
| Amplifier Placement | Unsupported configuration due to excessive number of amplifiers (max {0} per directions).                         |
| Amplifier Placement | Unsupported configuration due to excessive number of OSC regen sites (max {0}).                                   |
| Amplifier Placement | In {0}, channel power is near the fail low threshold.   |
| Amplifier Placement | In {0}, minimum channel power is below the fail low threshold.  |
| Amplifier Placement | In {0}, OSC channel power is below the fail low threshold.  |
| Amplifier Placement | Network cannot be installed as one or more OSC links are unfeasible.  |

Table C-1 Error Messages (continued)

| Message Type        | Error Message   |
|---------------------|---|
| Amplifier Placement | If possible, try selecting DCN extension option on the longest spans.   |
| Amplifier Placement | Try to unfreeze amplifier or DCUs in site {0}, interface {1}, {2} position.   |
| Amplifier Placement | Transmission error. Please contact custom design.   |
| Amplifier Placement | Transmission error on channel {0}. Please contact custom design.  |
| Amplifier Placement | Excessive ROADM crossTalk penalty on channel {0}. Try to lower the output power of the preamplifier in the ROADM site in which the failed channels are added. |
| Amplifier Placement | Excessive filtering penalty on channel {0}. Please contact custom design  |
| Amplifier Placement | Filtering problem on channel {0}. Please contact custom design  |
| Amplifier Placement | Excessive PMD on channel {0}. Please contact custom design.   |
| Amplifier Placement | Excessive SC on channel {0}. Please contact custom design.  |
| Amplifier Placement | In site {0} the Pass Through forcing and DCN Extension option are incompatible  |
| Amplifier Placement | In {0}, DCN Extension option have to be set on both fiber couples facing a Pass-Through node  |
| Amplifier Placement | Automatic Node Turn-Up: node {0} mandatory requires preamplifiers (otherwise this node must be set as Pass-Through).  |
| Amplifier Placement | Automatic Node Turn-Up: In {0}, amplifier output power cannot be forced.  |
| Amplifier Placement | Automatic Node Turn-Up: In {0}, Fiber Switch protection scheme is not supported.  |
| Amplifier Placement | Automatic Node Turn-Up: In {0}, only "32 Chs +5 dbm/Ch" and "40 Chs +4 dbm/Ch" design rules are supported.  |
| Amplifier Placement | Automatic Node Turn-Up: In {0}, only "32 Chs +5 dbm/Ch" design rule is supported.   |
| Amplifier Placement | Automatic Node Turn-Up: In {0}, C + L band upgradeability is not supported.   |
| Amplifier Placement | Automatic Node Turn-Up: In {0}, OADM output power cannot be forced.   |
| Amplifier Placement | Automatic Node Turn-Up: node {0} cannot be set as OADM full mux/demux.  |
| Amplifier Placement | In {0}, with SMR 9/20 units cannot force the "Attenuator OUT" Pre amplifier.  |
| Amplifier Placement | In {0}, with SMR 9/20 unit cannot force the "Attenuator IN" Booster amplifier.  |
| Amplifier Placement | {0} has an amp Forcing which is incompatible with Flex SMR  |
| Amplifier Placement | Flex SMR cards have pre and booster amps and hence can't have other pre/bst amp forcings.   |
| Amplifier Placement | Couple {0} has Raman enabled on the duct but corresponding Raman Forcing is missing.  |
| Amplifier Placement | Raman-CTP and Raman-COP cards are placed only on forcing.   |
| Amplifier Placement | {0} has an EDRA Forcing which can't face Flex SMR.  |

Table C-1 Error Messages (continued)

| Message Type         | Error Message   |
|----------------------|---|
| Amplifier Placement  | EDRA is incompatible with Flex SMR.   |
| Amplifier Placement  | Lower Dithering limit ({0}) cannot be less than {1}   |
| Amplifier Placement  | Upper Dithering limit ({0}) cannot be greater than {1}  |
| Amplifier Placement  | Lower Dithering limit ({0}) cannot exceed Upper Limit ({1})   |
| Dithering Generation | Site {0} Dithering value cannot be less than Lower Dithering limit {1}  |
| Dithering Generation | Site {0} Dithering value cannot be greater than Upper Dithering limit {1}   |
| Dithering Generation | Sites {0} and {1} cannot have the same Dithering value  |
| Dithering Generation | Number of available Dithering values {0} cannot be less than number of MultiDegree sites {1}  |
| Dithering Generation | Cannot find available Dithering value for site {0}  |
| Dithering Generation | Cannot force Dithering value different from 0 in site {0}   |
| Layout               | The AC2 power module is not supported by M2 chassis in Site {0}, hence AC power module is being used.   |
| Layout               | Shelves in site {0} exceeds maximum number of supported Shelves({1}) by a huge number. Layout is not built for the site.  |
| Layout               | Unit in the Rack {0} - Shelf {1} for site {2} requires FAN TRAY 4.  |
| Layout               | Maximum number of shelves for site {0} crosses the maximum allowed limit of {1}.  |
| Layout               | The placement for cards in the site {0} and side {1} having the SMR2 Omnidirectional configuration might have discrepancies. Please verify.   |
| Layout               | The network has osmine enabled nodes but the release does not support Osmine Configurations. Please upgrade to an Osmine compatible release.  |
| Layout               | Layout for Site {0} has incompatible Y-cable/100G/Others which conflict Bay Layout Forcing. Please go back to design or upgrade mode, unlock layout for the associated site.  |
| Layout               | Layout for Site {0} has incompatible forcings - M12 forced as chassis type and 100G Cards. Please force Chassis type as Auto. Also, Check for other sites in the network for similar forcing.                                     |
| Layout               | Layout for Site {0} has incompatible forcings - M2 forced as chassis type and 100G Combination Cards like Fumailo or Carpegna. Please force Chassis type as Auto. Also, Check for other sites in the network for similar forcing. |
| Layout               | Power Exceeded the max limit of shelf with id {0} in Site {1}. Please move cards from this shelf.   |
| Layout               | {0} layout cannot be built as M6 and M2 chassis are restricted. Required 100G cards can be placed only in M6 and M2 chassis.  |
| Layout               | Chassis has insufficient power to support 100G cards with Y-cable at site {0}.  |
| Layout               | {0} layout cannot be built as M6 chassis is restricted. Required 100G cards can be placed only in M6 chassis.   |

**Table C-1 Error Messages (continued)**

| Message Type | Error Message   |
|--------------|---|
| Layout       | MSTP shelves number in site {0} exceeds maximum MultiShelf configuration ({1}).   |
| Layout       | No linecards placed in Hybrid site {0} optical shelf  |
| Layout       | Release 4.7/5.0 does not support MultiShelf   |
| Layout       | No PRE/BST card present with OSCM in site {0}   |
| Layout       | Layout not feasible for {0} Individual Shelf configuration - No room in the optical shelf to host all the OTS units   |
| Layout       | No space for DCU: unlock Site {0} layout  |
| Layout       | Hybrid Layout in Site {0} is allowed with Individual Shelf only   |
| Layout       | Node protection is not allowed in Terminal Site {0}   |
| Layout       | DCC Chain in Site {0} is allowed with Individual Shelf only   |
| Layout       | Node protection in Site {0} is not allowed with Individual Shelf  |
| Layout       | Cable DB part not identified in Site {0}  |
| Layout       | Site {0} layout must be unlocked to allow Patch Panel/DCU insertion   |
| Layout       | Layout in site {0} cannot be built due an internal error. Other reports for the same site may be wrong or incomplete. Please contact support.                               |
| Layout       | {0} site layout must be unlocked to apply modified properties   |
| Layout       | A/D cards configuration in site {0} is not allowed: please select "Multi Shelf External Switch" or force 32-DMX card  |
| Layout       | Units equipped in site {0} shelf {1} need FTA4. Please replace current fan tray before equipping the units into the shelf   |
| Layout       | Only card Layout position can be changed (Site {0})   |
| Layout       | Card in Rack {0} - Shelf {1} - Slot {2} cannot be moved to Rack {3} - Shelf {4} - Slot {5} (Site {6})   |
| Layout       | Just one move is allowed for Card in Rack {0} - Shelf {1} - Slot {2} (Site {3})   |
| Layout       | Cards in Rack {0} - Shelf {1} - Slot {2} and Rack {3} - Shelf {4} - Slot {5} (Site {6}) belong to a YCable Protection Group and must be moved to the same destination shelf |
| Layout       | Multidegree topology in site {0} is not supported with Individual Shelf configuration   |
| Layout       | Y cable protection with GE XP / 10GEXP / GE EXP / 10GE EXP traffic demand in site {0} is not supported with Osmine Configuration  |
| Layout       | Y cable protection with GE XP / 10GEXP traffic demand in site {0} is not supported with Osmine Configuration  |
| Layout       | Network not managed by Osmine: Site {0} with WXC and WSS is not admitted.   |
| Layout       | Layout not feasible for {0} M2 Shelf cannot go in MSM Configuration.  |
| Layout       | Layout not feasible for {0},M2 chassis is in Restricted List and is forced.   |
| Layout       | Layout not feasible for {0},M6 chassis is in Restricted List and is forced.   |

**Table C-1** Error Messages (continued)

| Message Type | Error Message   |
|--------------|---|
| Layout       | Layout not feasible for {0},M12 chassis is in Restricted List and is forced.  |
| Layout       | Layout not feasible M12 chassis and M6 Chassis are in Restricted List.  |
| Layout       | In Site: {0} and Side: {1} with the current configuration, M6 chassis has been forced, either due to Chassis type forcing of GE frame forcing, whereas M12 chassis is the suggested option. |
| Layout       | Layout not feasible for Site: {0} and Side: {1},M6 is not supported for the site configuration and M12 Chassis is in Restricted Equipment List.   |
| Layout       | Extra M2 Shelf cannot go in MSM Configuration for site {0}, hence ignoring additional M2 chassis.   |
| Layout       | MSM External Configuration for site {0} and M6 Forced, M6 Chassis has integrated MSM capability.  |
| Layout       | OSC frame type is forced to GE for site {0} and Interface {1}, Power is not sufficient with the available GE Module.  |
| Layout       | Layout not feasible for {0},Single Controller card doesn't support MSM.   |
| Layout       | The forced {0} is not compatible with the {1} forced for the {2}.   |
| Layout       | M2 Chassis cannot have more than one neighbour with ONS 15454 chassis forced.   |
| Layout       | When M2 chassis is forced, all the connected ducts with only one exception, should have couples forced with valid OSC Frames.   |
| Layout       | Layout not feasible for {0} with the selected Shelf.  |
| Layout       | The frame forcings across {0} are not compatible because the site is a passthrough site. The current values will be ignored and best defaults would be chosen.                              |
| Layout       | The OSC frame forcing in the couples connecting the PSM Line {0} need to be same.   |
| Layout       | The {0} is a OSC regen site hence the connected couples should not have GE frame type forced.   |
| Layout       | The {0} has OSC-CSM forced which is not compatible with GE frame forcing on the couple in {1}.  |
| Layout       | The {0} has WSS card with DMX and M2 forced which is not compatible. Analysis not feasible.   |
| Layout       | MSTP shelves number in site {0} exceeds maximum MultiShelf configuration ({1}).   |
| Layout       | Racks in site {0} exceeds maximum number of supported Racks({1}). Layout is not built for the site.   |
| Layout       | No linecards placed in Hybrid site {0} optical shelf.   |
| Layout       | Release 4.7/5.0 does not support MultiShelf.  |
| Layout       | No PRE/BST card present with OSCM in site {0}.  |
| Layout       | Layout not feasible for {0} Individual Shelf configuration - No room in the optical shelf to host all the OTS units.  |
| Layout       | No space for DCU: unlock Site {0} layout.   |

**Table C-1** Error Messages (continued)

| Message Type | Error Message   |
|--------------|---|
| Layout       | Hybrid Layout in Site {0} is allowed with Individual Shelf only.  |
| Layout       | Node protection is not allowed in Terminal Site {0}.  |
| Layout       | Node protection is not allowed in PSM Line/Section Site {0}.  |
| Layout       | DCC Chain in Site {0} is allowed with Individual Shelf only.  |
| Layout       | Node protection in Site {0} is not allowed with Individual Shelf.   |
| Layout       | Node protection in Site {0} is not allowed without ADD/DROP.  |
| Layout       | Cable DB part not identified in Site {0}.   |
| Layout       | Site {0} layout must be unlocked to allow Patch Panel/DCU insertion.  |
| Layout       | Layout in site {0} cannot be built due an internal error. Other reports for the same site may be wrong or incomplete. Please contact support. |
| Layout       | {0} site layout must be unlocked to apply modified properties.  |
| Layout       | A/D cards configuration in site {0} is not allowed: please select "Multi Shelf External Switch" or force 32-DMX card.                         |
| Layout       | Units equipped in site {0} shelf {1} need FTA4. Please replace current fan tray before equipping the units into the shelf.                    |
| Layout       | Only card Layout position can be changed (Site {0}).  |
| Layout       | Card in Rack {0} - Shelf {1} - Slot {2} cannot be moved to Rack {3} - Shelf {4} - Slot {5} (Site {6}).  |
| Layout       | Multidegree topology in site {0} is not supported with Individual Shelf configuration.  |
| Layout       | Invalid Alien Shelf Height for site {0}, Alien Shelves Could not be added.  |
| Layout       | Alien Shelf Height is more than Rack Height for site {0}, Alien Shelves Could not be added.   |
| Layout       | Unit in the Rack {0} - Shelf {1} - Slot {2} for site {3} requires FAN TRAY 4.   |
| Layout       | SMR2 in Separate Shelf is not Feasible for Site {0} due to cable unavailable with appropriate length.   |
| Layout       | Layout not feasible for {0} M2 Shelf cannot go in MSM Configuration.  |
| Layout       | The interface {0} has Raman CTP forced with M12 chassis. This is not compatible.  |
| Layout       | The interface {0} has Raman CTP, which needs high power cables to connect, Only cables of length 2m are bundled with the card.                |
| Layout       | Raman-CTP or Raman-COP cards forced with M12 chassis in the interface {0} is not a supported configuration.                                   |
| Layout       | Raman-CTP or Raman-COP cards forced with M2 chassis in the interface {0} is not a supported configuration.                                    |
| Layout       | Raman-CTP or Raman-COP cards placed in {0} because M6 chassis is restricted.  |
| Layout       | Raman-CTP or Raman-COP cards placed in M12 chassis in the interface {0} is not a supported configuration.                                     |

**Table C-1** Error Messages (continued)

| Message Type | Error Message  |
|--------------|--|
| Layout       | The Site {0} has TCC 2p as node controller. So it cannot subtend M6/M2 Shelves.  |
| Layout       | Some of the passive devices in the site {0} has unit id greater than the allowed range 1. 126. Change the unit id's by double clicking on the passive device.  |
| Layout       | The length of MPO-MPO cables may not be sufficient for Separated Shelf configurations in NGDWDM Network  |
| Layout       | OSC frame type is forced to GE for site {0} and Interface {1},Edra is not compatible with GE Module.   |
| Layout       | Layout not feasible for {0} as chassistype forced to M2 or M12 for a flex node.  |
| Layout       | Layout not feasible for {0} as Extrachassis is forced for M2 or M12 for a flex node.   |
| Layout       | Layout not feasible for {0} as nodeController Type forced to M12 for a flex node.  |
| Layout       | The configuration requires M12 chassis to be placed. Either force M12 as chassis type or force OSC to proceed.   |
| Layout       | Layout for site {0} has incompatible forcings - WXC16/EDRA cards will not be supported on chassis with old fan tray. Change the fan tray forcings at the site. |
| Layout       | Layout not feasible for {0},M15 chassis is in Restricted List and is forced.   |
| Layout       | Layout not feasible M15 chassis and M6 Chassis are in Restricted List.   |
| Layout       | Extra M15 Shelf cannot be added for site {0}, M15 chassis is Restricted.   |
| Layout       | Layout not feasible for {0} as chassis type forced to M15 for a MSTP site.   |
| Layout       | {0} layout cannot be built as M6 and M15 chassis are restricted. Required 100G/WSE cards can be placed only in M6 and M15 chassis.                             |
| Layout       | {0} layout cannot be built as M6 chassis and M15 chassis are restricted. Required 100G cards can be placed either in M6 chassis or M15 chassis.                |
| Layout       | Layout for site {0} has incompatible forcing's - SMR9/SMR20 cards will not be supported on chassis with old fan tray. Change the fan tray forcing at the site. |
| Layout       | {0} not supported with M15 Chassis for {1}. Please force M15 Chassis specific Fan Tray.  |
| Layout       | {0} supply unsupported for M15 Chassis.  |
| Layout       | Force either Gain Equality or Line Amplifier as site functionality when M2 is forced.  |
| Layout       | M15 cannot be forced as the node controller of M6 Chassis. Unsupported config for R10.5. Please contact custom design team for validating the design {0}.      |
| Layout       | M15 with ROADMs 80-WXC/SMR1/SMR2 in MSTP {0} is not a supported configuration.   |

**Table C-1 Error Messages (continued)**

| Message Type        | Error Message  |
|---------------------|--|
| Layout              | {0} card forced in {1} is untested card in M15 for R10.5. Please contact custom design team for validating the design.   |
| Amplifier algorithm | In {0}, can't force a demux if it is not supported by site type.   |
| Amplifier algorithm | In {0}, can't force an inline attenuator if it is not supported by site type.  |
| Amplifier algorithm | In {0}, can't force an inline attenuator because of presence of OADMs in the other side.   |
| Amplifier algorithm | Invalid forcing in amplifier node of {0} because of Pass-through site forcing.   |
| Amplifier algorithm | In {0}, can't force unplaced OSC card in a non Pass-through site.  |
| Amplifier algorithm | In {0}, can't force OSCM without an amplifier forced.  |
| Amplifier algorithm | Can't force power output or tilt in {0} without the related amplifier forced.  |
| Amplifier algorithm | Cannot force input attenuator in {1} without the related amplifier forced.   |
| Amplifier algorithm | Can't force DCUs in {0} without forcing an amplifier that supports them. See the <a href="#">“C.5.1 Incompatible DCUs (C-Band)”</a> section on page C-37.  |
| Amplifier algorithm | Incompatible types for DCU couple in {0}. See the <a href="#">“C.5.1 Incompatible DCUs (C-Band)”</a> section on page C-37.   |
| Amplifier algorithm | Incompatible dispersion modules in {0}. See the <a href="#">“C.5.1 Incompatible DCUs (C-Band)”</a> section on page C-37.   |
| Amplifier algorithm | In {0}, MMU presence requires OPT-AMP-L forcing in bst and pre position. See the <a href="#">“C.5.2 MMU Does Not Have Correct Amplifier (L-Band)”</a> section on page C-37.                              |
| Amplifier algorithm | In {0}, MMU presence requires OPT-PRE and OPT-BST-E forcing. See the <a href="#">“C.5.3 MMU Does Not Have Correct Amplifier (C-Band)”</a> section on page C-38.  |
| Amplifier algorithm | In {0}, output power setting is not supported by the amplifier. See the <a href="#">“C.5.4 Output Power or Tilt are Out of Range”</a> section on page C-38.  |
| Amplifier algorithm | In {0}, amplifier tilt is out of limits. See the <a href="#">“C.5.4 Output Power or Tilt are Out of Range”</a> section on page C-38.   |
| Amplifier algorithm | Couple between {1} and {2} has an invalid value in {0}. See the <a href="#">“C.5.5 Invalid Fiber Values, Types, and Loss Values”</a> section on page C-39.   |
| Amplifier algorithm | Couple between {0} and {1} is of invalid type. See the <a href="#">“C.5.5 Invalid Fiber Values, Types, and Loss Values”</a> section on page C-39.  |
| Amplifier algorithm | Fiber between {1} and {2} has an invalid value in {0}. See the <a href="#">“C.5.5 Invalid Fiber Values, Types, and Loss Values”</a> section on page C-39.  |
| Amplifier algorithm | Fiber between {0} and {1} has SOL total loss greater than EOL total loss. See the <a href="#">“C.5.5 Invalid Fiber Values, Types, and Loss Values”</a> section on page C-39.                             |
| Amplifier algorithm | A {0} attenuator (on channel {1}) in {2} {3} {4} was present, but A/D ports on this channel are no longer available. See the <a href="#">“C.5.7 Unavailable Add/Drop Channels”</a> section on page C-40. |

**Table C-1** Error Messages (continued)

| Message Type        | Error Message   |
|---------------------|---|
| Amplifier algorithm | Tilt forced on {0} in {1} {2} {3} when no-tilt design option is selected. See the <a href="#">“C.5.8 Tilt Forced When No Tilt Design Is Selected”</a> section on page C-40. |
| Amplifier algorithm | Can't change DMX with DMX-O as needed in {1} because user forcing. See the <a href="#">“C.5.9 Cannot Replace 32-DMX with 32DMX-O”</a> section on page C-41.                 |
| Amplifier algorithm | Low threshold on channels power in {0} {1} {2} because passive user forcing on OPT-BST position.  |
| Amplifier algorithm | In {0}, {1} is working in an invalid mode. See the <a href="#">“C.5.10 Preamplifier Working in Invalid Mode”</a> section on page C-41.                                      |
| Amplifier algorithm | In {0}, {1} is working with a gain of {2} dBm: this is too low. See the <a href="#">“C.5.11 Gain Too Low for an Amplifier”</a> section on page C-42.                        |
| Amplifier algorithm | In {0}, {1} will be work (in EOL condition) with a gain of {2} dBm: this is too low. See the <a href="#">“C.5.11 Gain Too Low for an Amplifier”</a> section on page C-42.   |
| Amplifier algorithm | In {0}, {1} is working with a gain of {2} dBm: this is too high. See the <a href="#">“C.5.12 Gain Too High for an Amplifier”</a> section on page C-42.                      |
| Amplifier algorithm | In {0}, {1} will be work (in EOL condition) with a gain of {2} dBm: this is too high. See the <a href="#">“C.5.12 Gain Too High for an Amplifier”</a> section on page C-42. |
| Amplifier algorithm | In {0}, {1} cannot respect user forcing. See the <a href="#">“C.5.13 User Forcing Overridden”</a> section on page C-43.   |
| Amplifier algorithm | In {0}, {1} cannot respect user forcing due to {2}. See the <a href="#">“C.5.13 User Forcing Overridden”</a> section on page C-43.  |
| Amplifier algorithm | Unsupported configuration due to excessive number of amplifiers (max {0} per directions). See the <a href="#">“C.5.14 Unsupported Configuration”</a> section on page C-44.  |
| Amplifier algorithm | Unsupported configuration due to excessive number of OSC regen sites (max {0}). See the <a href="#">“C.5.14 Unsupported Configuration”</a> section on page C-44.            |
| Amplifier algorithm | In {0}, channel power is near the fail threshold. See the <a href="#">“C.5.15 Channel Power Near the Fail Threshold”</a> section on page C-44.                              |
| Amplifier algorithm | In {0}, channel power is below the fail threshold. See the <a href="#">“C.5.16 Channel Power Below the Fail Threshold”</a> section on page C-44.                            |
| Amplifier algorithm | In {0}, OSC channel power is near the fail threshold. See the <a href="#">“C.5.15 Channel Power Near the Fail Threshold”</a> section on page C-44.                          |
| Amplifier algorithm | In {0}, OSC channel power is below the fail threshold. See the <a href="#">“C.5.17 OSC Channel Power Below the Fail Threshold”</a> section on page C-45.                    |
| Amplifier algorithm | Network unfeasible due to OSC channel. See the <a href="#">“C.5.17 OSC Channel Power Below the Fail Threshold”</a> section on page C-45.                                    |
| Amplifier algorithm | Try to unfreeze amplifier or dcus in site {0}, interface {1}, {2} position  |
| Amplifier algorithm | Transmission error. Please contact custom design.   |

Table C-1 Error Messages (continued)

| Message Type        | Error Message   |
|---------------------|---|
| Amplifier algorithm | Transmission error on channel {0}. Please contact custom design.  |
| Amplifier algorithm | Excessive ROADM crossTalk penalty on channel {0}. Try to lower the output power of the preamplifier in the Roadm site in which the failed channels are added. |
| Amplifier algorithm | Excessive filtering penalty on channel {0}. Please contact custom design.   |
| Amplifier algorithm | Filtering problem on channel {0}. Please contact custom design.   |
| Amplifier algorithm | One or more demands present unexpected results at the end of the analysis. Refer to channels errored on system.   |
| Amplifier algorithm | Excessive PMD on channel {0}. Please contact custom design.   |
| Amplifier algorithm | Node {0} is set as Pass-Through and therefore no hardware or setpoint can be forced   |
| Amplifier algorithm | Forcing of tilt in {0} is not allowed in case of Raman amplified span   |
| Amplifier algorithm | Forcing of Raman ({0}) is not allowed in PSM Topology. Please correct the forcings done.  |
| Amplifier algorithm | In {0} Raman embedded amplifier has dispersion modules with MAL greater then supported  |
| Amplifier algorithm | In {0} Raman post amplifier has total dispersion modules with MAL greater then supported  |
| Amplifier algorithm | Network analysis must be validated. Please contact custom design.   |
| Amplifier algorithm | In network with PSM-Line protection and different fiber types, DCU placement must be validated.   |
| Amplifier algorithm | Site {0} connected to duct with DCN extension property enabled must have functionality Add/Drop.  |
| Amplifier algorithm | Couple under duct {0} must have DCN extension property disabled   |
| Amplifier algorithm | In site {0} between fibers DCN extension, no OSC and no Booster are allowed   |
| Amplifier algorithm | In Add/Drop site {0}, OSC cannot be forced since the facing fiber has DCN extension enabled   |
| Amplifier algorithm | In Add/Drop site {0} facing a fiber with DCN extension enabled, Booster cannot be forced as None  |
| Amplifier algorithm | The DCN path from {0} to {1} contains too many Line Amplifier sites   |
| Amplifier algorithm | In interfaces tagged as Omnidirectional Entry Point is not allowed set Mux or Demux   |
| Amplifier algorithm | In interfaces tagged as Omnidirectional Entry Point a Terminal site must be connected   |
| Amplifier algorithm | Node {0} refers to an interface tagged as Omnidirectional Entry Point and therefore no amplifier can be forced  |
| Amplifier algorithm | Node {0} refers to an interface tagged as Omnidirectional Entry Point and therefore no OSC card can be forced   |
| Amplifier algorithm | Raman Amplifier module is required in node {0}. Unlock it   |

**Table C-1 Error Messages (continued)**

| Message Type        | Error Message   |
|---------------------|---|
| Amplifier algorithm | Forcing of amplifier in {0} is not allowed in case of Raman amplified span.   |
| Amplifier algorithm | Node {0} faces a raman amplified span, only OPT-BST unit can be forced.   |
| Amplifier algorithm | Span {0} must be configured as Raman to allow Raman amplifier {1} in node {2}.  |
| Amplifier algorithm | Forcing of Raman on {0} is not compatible with the amplifier forcing done in Node {1}. Please correct the forcings done.            |
| Amplifier algorithm | Selection of OPT-BST or OPT-BST-E units as pre-amplifier is allowed only if Raman is used on {0}. Please correct the forcings done. |
| Amplifier algorithm | Raman Amplifier configuration for {0} is not allowed by restricted equipment list.  |
| Amplifier algorithm | Raman post amp forcing is not allowed for {0}   |
| Amplifier algorithm | Node {0} faces a raman amplified span, only OPT-BST unit can be forced.   |
| Amplifier algorithm | Span {0} must be configured as Raman to allow Raman amplifier {1} in node {2}.  |
| Amplifier algorithm | Forcing of Raman on {0} is not compatible with the amplifier forcing done in Node {1}. Please correct the forcings done.            |
| Amplifier algorithm | Selection of OPT-BST or OPT-BST-E units as pre-amplifier is allowed only if Raman is used on {0}. Please correct the forcings done. |
| Amplifier algorithm | Raman Amplifier configuration for {0} is not allowed by restricted equipment list.  |
| Amplifier algorithm | Raman post amp forcing is not allowed for {0}   |
| Amplifier algorithm | Span {0} is forced as Raman but no traffic is present.  |
| Amplifier algorithm | In {0} is not allowed forcing a booster or setting DCN extension enabled.   |
| Amplifier algorithm | In Add/Drop site {0} facing a fiber with DCN extension enable, OSC cannot be forced   |
| Amplifier algorithm | Site {0} is facing spans with different optical design rules: an Add/Drop functionality is required.                                |
| Amplifier algorithm | {0} is an hybrid 15454 MSTP site : selection of OPT-BST or OPT-BST-E units as pre-amplifiers is not allowed.                        |
| Amplifier algorithm | Span is too short for Raman amplification. If possible, lower the output power setpoint of the booster.                             |
| Amplifier algorithm | Raman optical amplifiers are not available in L Band.   |
| Amplifier algorithm | In {0} is not allowed forcing a pre-amplifier or setting DCN extension enabled.   |
| Amplifier algorithm | In {0}, cannot force OSCM card without an amplifier or SMR forced.  |
| Amplifier algorithm | Forcing of T-DCU on both {0} is not allowed. Please remove T-DCU forcing either from {1}.   |
| Amplifier algorithm | {0} - side {1} is connected to a span not used by any Service Demand.   |
| Amplifier algorithm | In multidegree site {0} configured as SMR2 type with Individual Shelf, only first two sides can have OSC-CSM unit forcing.          |

Table C-1 Error Messages (continued)

| Message Type        | Error Message  |
|---------------------|--|
| Amplifier algorithm | {0} has OSC functionality : side {1} can't face a fiber with DCN extension enabled.  |
| Amplifier algorithm | Raman amplification is not supported on duct {0}, connecting two hybrid sites.   |
| Amplifier algorithm | Some circuit exceeded the maximum number of allowed amplified spans. Please contact Custom Design team for validating the design.    |
| Amplifier algorithm | In {0} the amplifier {1} doesn't support DCU modules: please unlock or reset to Auto any related DCU.                                |
| Amplifier algorithm | In {0}, DFB power fail is near the minimum allowed threshold.  |
| Amplifier algorithm | In {0}, DFB power fail is below the minimum allowed threshold.   |
| Amplifier algorithm | Duct {0} is connecting two hybrid sites: Raman amplification is not supported.   |
| Amplifier algorithm | Some circuit exceeded the maximum number of allowed amplified spans. Please contact Custom Design team for validation of the design. |
| Amplifier algorithm | The Raman amplifier at {0} is not compatible with the Raman amplifier at the other end of the line                                   |
| Amplifier algorithm | The Raman amplifier at {0} requires an equalization unit (e.g. SMR, WSS or WXC)  |
| Amplifier algorithm | The Raman amplifier at {0} requires DCN extension on the facing fiber  |
| Amplifier algorithm | Some circuits are traversing {0} RAMAN-CTP amplified spans (max {1} allowed)   |
| Amplifier algorithm | Some circuits are traversing {0} RAMAN-COP + RAMAN-CTP amplified spans (max {1} allowed)   |
| Amplifier algorithm | Duct {0} is a Raman amplified span using RAMAN-COP: all circuits must be terminated in {1} and {2}                                   |
| Amplifier algorithm | RAMAN-COP is not supported on {0} fiber (duct {1})   |
| Layout messages     | MSTP shelves number in site {0} exceeds maximum MultiShelf configuration (12).   |
| Layout messages     | No linecards placed in Hybrid site {0} optical shelf.  |
| Layout messages     | Release 4.7/5.0 does not support MultiShelf.   |
| Layout messages     | No PRE/BST card present with OSCM in site {0}.   |
| Layout messages     | Layout not feasible for {0} Individual Shelf configuration - No room in the optical shelf to host all the OTS units.                 |
| Layout messages     | No space for DCU: unlock Site {0} layout.  |
| Layout messages     | Hybrid Layout in Site {0} is allowed with Individual Shelf only.   |
| Layout messages     | Node protection is not allowed in Terminal Site {0}.   |
| Layout messages     | DCC Chain in Site {0} is allowed with Individual Shelf only.   |
| Layout messages     | Node protection in Site {0} is not allowed with Individual Shelf.  |
| Layout messages     | Cable DB part not identified in Site {0}.  |
| Layout messages     | Site {0} layout must be unlocked to allow Patch Panel/DCU insertion.   |

**Table C-1 Error Messages (continued)**

| Message Type    | Error Message   |
|-----------------|---|
| Layout messages | Layout in site {0} cannot be built due an internal error. Other reports for the same site may be wrong or incomplete. Please contact support. |
| Layout messages | Y cable protection with GE XP / 10GEXP traffic demand in site {0} is not supported with Osmine Configuration                                  |
| Layout messages | Network not managed by Osmine: Site {0} with WXC and WSS is not admitted.   |
| Layout messages | Invalid Alien Shelf Height for site {0} , Alien Shelves Could not be added.   |
| Layout messages | Alien Shelf Height is more than Rack Height for site {0} , Alien Shelves Could not be added.  |
| Layout messages | SMR with Raman Amplification is Not Supported on Side {0} for Site {1}.   |
| Layout messages | SMR2 in Separate Shelf is not Feasible for Site {0} due to cable unavailable with appropriate length.   |
| Generic         | Error deleting site- generic, cannot be classified.   |
| Generic         | At least one optical bypass point is defined in this site. The site can not be deleted until the optical bypass is removed.                   |
| DCU placement   | Fiber Bragg DCU on {0} is incompatible with the client card.  |
| DCU placement   | Fiber Bragg DCU on {0} is incompatible with the trunk pluggable.  |
| DCU placement   | 50Ghz spacing is not allowed for {0} with Fiber-Bragg DCU.  |
| DCU placement   | Fiber Bragg is not supported for 50Ghz channel spacing.   |
| DCU placement   | FBGDCU option is set to Always at the project level and channel spacing is 50 Ghz for {0}.  |
| DCU placement   | DCU cannot be forced for {0} along with Fiber-Bragg DCU.  |
| Connections     | No free port found to connect {0} to {1} in Side {2}. Please unlock the site or change the route of the demands.                              |

## C.2 Warning Messages

Warning Messages for Cisco Transport Planner are listed in [Table C-2](#):

**Table C-2 Warning Messages**

| Message Type     | Warning Message  |
|------------------|--|
| Traffic mapping  | Wavelength {0} may require additional ASE filtering.   |
| Traffic mapping  | In {0}, add/drop input power must be modified from {2} to {1}.   |
| Traffic mapping  | Please turn ON the Automatic Laser Shutdown (ALS) on the TXPs having the wavelength {0} on sites Site{0} and Site{0} for Optical protection. |
| Network creation | In {0}, minimum channel power for port {1} of {2} is below the fail low threshold.   |

Table C-2 Warning Messages

| Message Type        | Warning Message  |
|---------------------|--|
| Network creation    | In {0}, minimum channel power for port {1} of {2} is near the fail low threshold.  |
| Amplifier algorithm | Can't respect forcing on {0} attenuator (on channel {1}) in {2} {3} {4}. No A/D ports are available. See the <a href="#">“C.5.6 Attenuator Forcing Not Allowed” section on page C-39</a> . |
| Amplifier algorithm | In {0}, minimum channel power is near the fail low threshold   |
| Amplifier algorithm | Dcu design not optimized due to “Run Quick Analysis” option  |
| Amplifier algorithm | In {0}, 32-DMX might have problem as drop unit. If supported by node type try 32-DMX-O.  |
| Amplifier algorithm | 32-DMX might cause problems during channels provisioning and/or in case of equipment failure.  |
| Amplifier algorithm | In {0}, 40-DMX might have problem as drop unit.  |
| Amplifier algorithm | 40-DMX might cause problems during channels provisioning and/or in case of equipment failure.  |
| Amplifier algorithm | PSM switching threshold on port {0}-RX {1} is close to minimum channel power   |
| Amplifier algorithm | PSM switching on port {0}-RX {1} might not be completely reliable  |
| Amplifier algorithm | PSM switching on port {0}-RX is based on EDFA safety shutdown procedure and might be longer than 50 ms   |
| Amplifier algorithm | PSM unit might not correctly switch on port {0}-RX in case of fiber cut  |
| Amplifier algorithm | OPT-RAMP-C on {0} side is facing a span with an excessive loss.  |
| Amplifier algorithm | OPT-RAMP-CE on {0} side is facing a span with an excessive loss.   |
| Amplifier algorithm | Forcing of T-DCU on {0} in L-Band network is not allowed. Please check the TDCU forcing in Options Explorer.   |
| Amplifier Placement | In {0}, MMU mandatory requires OPT-PRE and OPT-BST-E. Please remove any other amplifier type forcing   |
| Amplifier Placement | In {0} an external DCN access must be provided for DCN functionality   |
| Amplifier Placement | In {0}, OSC channel power is near the fail low threshold.  |
| Amplifier Placement | A {0} attenuator (on channel {1}) in {2} {3} {4} was present, but A/D ports on this channel are longer available   |
| Amplifier Placement | In {0}, control mode of {3} amplifier must be modified from {2} to {1}   |
| Amplifier Placement | Output tilt is forced on {0} in {1} {2} {3} but no-tilt design option is selected  |
| Amplifier Placement | In {0}, MMU mandatory requires OPT-AMP-L in booster and pre position. Please remove any other amplifier type forcing   |
| Amplifier Placement | In {0}, bypass power must be modified from {2} to {1}  |
| Amplifier Placement | In {0}, drop power must be modified from {2} to {1}  |
| Amplifier Placement | In {0}, RX amplifier power fail threshold must be modified from {2} to {1}   |
| Amplifier Placement | In {0}, TX amplifier power fail threshold must be modified from {2} to {1}   |
| Amplifier Placement | In {0}, channel LOS threshold must be modified from {2} to {1}.  |

Table C-2 Warning Messages

| Message Type        | Warning Message   |
|---------------------|---|
| Amplifier Placement | In {0}, OSC LOS threshold must be modified from {2} to {1}  |
| Amplifier Placement | In {0}, minimum expected span loss must be modified from {2} to {1}   |
| Amplifier Placement | In {0}, maximum expected span loss must be modified from {2} to {1}   |
| Amplifier Placement | In {0}, OSC TX power must be modified from {2} to {1}   |
| Amplifier Placement | In {0}, band drop power at {3} must be modified from {2} to {1}   |
| Amplifier Placement | In {0}, channel drop power at {3} must be modified from {2} to {1}  |
| Amplifier Placement | In {0}, 32-DMX might have problem as drop unit. If supported by node type try 32-DMX-O  |
| Amplifier Placement | 32-DMX might cause problems during channels provisioning and/or in case of equipment failure  |
| Amplifier Placement | In {0}, 40-DMX might have problem as drop unit  |
| Amplifier Placement | 40-DMX might cause problems during channels provisioning and/or in case of equipment failure  |
| Amplifier Placement | In {0}, {1} is working in power control mode.   |
| Amplifier Placement | In case of fiber cut or equipment failure, channels survivability might not be guaranteed   |
| Amplifier Placement | In {0}, {1} cannot respect user forcing. See <a href="#">C.5.13 User Forcing Overridden</a> , page C-43.                                    |
| Amplifier Placement | The forced setpoint/item has been overwritten by CTP with a feasible value.   |
| Amplifier Placement | In {0}, {1} cannot respect user forcing due to {2}  |
| Amplifier Placement | The forced setpoint/item has been overwritten by CTP with a feasible value.   |
| Amplifier Placement | Between nodes {0} and {1}, {2} gain equalizer node(s) is (are) suggested for an optimal design  |
| Amplifier Placement | Excessively long chains of OLA nodes (>{0}) might cause problems in LOS detection at receivers in case of channels failure.                 |
| Amplifier Placement | In {0}, 32-DMX-O is suggested as drop unit in instead of the forced 32-DMX.   |
| Amplifier Placement | 32-DMX might cause problems during channels provisioning and/or in case of equipment failure.   |
| Amplifier Placement | Osmine configuration in site {0} is not supported with L-Band   |
| Amplifier Placement | Hybrid Site Config in a Single-Shelf configuration is only supported for an OADM Site Type  |
| Layout              | Osmine configuration in site {0} is not supported with L-Band.  |
| Layout              | Forced M12 Chassis is not compatible with FLD-OSC. Please force M6 Chassis to complete the analysis.  |
| Layout              | M6 Chassis is restricted. Unforce FLD-OSC to complete the analysis or force Individual Shelf management.                                    |
| Layout              | M6 Chassis and M2 Chassis are restricted. Unforce FLD-OSC to complete the analysis or remove M6 Chassis or M2 Chassis from restricted list. |

Table C-2 Warning Messages

| Message Type  | Warning Message   |
|---------------|---|
| Layout        | Hybrid Site Config in a Single-Shelf configuration is only supported for an OADM Site Type  |
| Layout        | Unit in the Rack {0} - Shelf {1} - Slot {2} for site {3} requires FAN TRAY 4.   |
| Layout        | Extra M6 Shelf cannot be added for site {0}, M6 chassis is Restricted.  |
| Layout        | Extra M12 Shelf cannot be added for site {0}, M12 chassis is Restricted.  |
| Layout        | M6 Chassis with integrated MSM capability, is forced in {0} with MSM External Switch. This adds extra to BOM.   |
| Layout        | Requested number of extra shelves could not be added due to MSM configuration restrictions. Please check the layout for details.  |
| Layout        | TNC pluggable {0} forced with ONS 15454 chassis in {1}, hence ignoring pluggable forcing.   |
| Layout        | The chassis type set to M6 due to the forcing of OSC Pluggables at {0}.   |
| Layout        | Auto Option for Shelf Management is assigned Single Shelf Configuration by the algorithm as Site {0} is a non add drop site.  |
| Layout        | Layout for Site {0} is unlocked to add Fiber Storage.   |
| Layout        | Osmine configuration in site {0} is not supported with L-Band.  |
| Layout        | Network not managed by Osmine: Site {0} with WXC and WSS is not admitted.   |
| Layout        | Hybrid Site Config in a Single-Shelf configuration is only supported for an OADM Site Type.   |
| Generic       | Traffic associated to this subnet will be unlocked.   |
| Generic       | If traffic subnet will be deleted, this traffic will be unlocked and if it requires a specific traffic subnet topology, it will not be editable until it will associated to another traffic subnet. |
| Generic       | This traffic cannot be edited. It needs to be associated to a valid traffic subnet.   |
| DCU placement | Fiber Bragg DCU is forced on {0} with traffic generating out of it expressing through non-OLA/PT site {1}.  |

## C.3 Information Messages

Information Messages for Cisco Transport Planner are listed in [Table C-3](#):

Table C-3 Information Messages

| Message Type    | Information Message   |
|-----------------|---|
| Traffic Mapping | No specific anti-ASE node is required for this traffic matrix requirement |
| Layout          | Layout for Site {0} is unlocked to add Fiber Storage                      |

Table C-3 Information Messages

| Message Type        | Information Message  |
|---------------------|--|
| Layout              | The generated BOM does not include SONET/SDH units(OC192LR and OC48ELR will be included if applicable).  |
| Layout              | Just one move is allowed for Card in Rack {0} - Shelf {1} - Slot {2} (Site {3}).   |
| Layout              | Cards in Rack {0} - Shelf {1} - Slot {2} and Rack {3} - Shelf {4} - Slot {5} (Site {6}) belong to a YCable Protection Group and must be moved to the same destination shelf. |
| Layout              | Y cable protection with GE XP / 10GEXP traffic demand in site {0} is not supported with Osmine Configuration.  |
| Layout              | Y cable protection with GE XP / 10GEXP / GE EXP / 10GE EXP traffic demand in site {0} is not supported with Osmine Configuration.  |
| Layout              | The generated BOM does not include SONET/SDH units(OC192LR and OC48ELR will be included if applicable).  |
| Amplifier algorithm | In {0}, the attenuator {1} is placed between fiber interface and port {2} of {3}.  |
| Amplifier algorithm | This attenuator is present both in BOM and Project Explorer but not in internal connections.   |

## C.4 Traffic Mapping Troubleshooting

The following procedures help you resolve traffic mapping problems with the network design.

### C.4.1 Wavelength Exceeded

**Symptom** Cisco Transport Planner warns you that all network analysis solutions exceed the wavelengths.

[Table C-4](#) describes the potential causes of the symptom and the solution.

**Table C-4** *Wavelength Exceeded*

| Possible Problem   | Solution   |
|--|--|
| A span in the ring must carry more than 32 wavelengths to implement the traffic demands. | Remove the forced path routing on unprotected channels: <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Service Demands folder, right-click the appropriate demand and choose <b>Edit</b> from the shortcut menu.</li> <li>2. In the Path column, choose <b>Auto</b> from the drop-down list.</li> <li>3. Reanalyze the network.</li> </ol>   |
| A span in the ring must carry more than 16/8 wavelengths.                                | Change the traffic mapping design rules under the related subnet and choose an option that allows a greater number of channels: <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Subnets folder, expand Traffic Mapping and click <b>System Release</b>.</li> <li>2. In the Properties pane, choose the new rules option from the C-Band Rules or L-Band Rules drop-down list.</li> <li>3. Reanalyze the network.</li> </ol> |

## C.4.2 Invalid Routing

**Symptom** Cisco Transport Planner warns you of invalid routing (out of network boundary).

[Table C-5](#) describes the potential causes of the symptom and the solution.

**Table C-5** *Invalid Routing*

| Possible Problem  | Solution   |
|---|--|
| In a linear network, the direction of each service demand is restricted by the topology but the user applied an unfeasible direction forcing. | Remove the forced path routing: <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Service Demands folder, right-click the appropriate demand and choose <b>Edit</b> from the shortcut menu.</li> <li>2. In the Path column of the Edit &lt;demand&gt; dialog box, choose <b>Auto</b> from the drop-down list.</li> <li>3. Reanalyze the network.</li> </ol> |

## C.4.3 Cannot Find Alternate Route

**Symptom** Cisco Transport Planner warns you that it cannot find an alternate route due to multiple hub nodes along the path.

[Table C-6](#) describes the potential causes of the symptom and the solution.

**Table C-6** *Cannot Find Alternate Route*

| Possible Problem  | Solution  |
|---|---|
| Because a hub node does not allow express channels, if multiple hub nodes are present, not all point-to-point connections are possible. | Remove the hub functionality constraints: <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Sites folder, click <b>C-Band</b> or <b>L-Band</b> for the appropriate site.</li> <li>2. In the Properties pane, choose <b>Auto</b> from the Functionality drop-down list.</li> <li>3. Reanalyze the network.</li> </ol> |

## C.4.4 Cannot Route Service

**Symptom** Cisco Transport Planner warns you that it cannot route service through a hub node.

[Table C-7](#) describes the potential causes of the symptom and the solution.

**Table C-7** *Cannot Route Service*

| Possible Problem   | Solution   |
|--|--|
| Since a hub node does not allow express channels, not all service routes are possible. | Remove the path routing forcing or the hub functionality constraints.<br>To remove the path routing forcing: <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Service Demands folder, right-click the appropriate demand and choose <b>Edit</b> from the shortcut menu.</li> <li>2. In the Path column of the Edit &lt;demand&gt; dialog box, choose <b>Auto</b> from the drop-down list.</li> <li>3. Reanalyze the network.</li> </ol> To remove the hub functionality constraints: <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Sites folder, click <b>C-Band</b> or <b>L-Band</b> for the appropriate site.</li> <li>2. In the Properties pane, choose <b>Auto</b> from the Functionality drop-down list.</li> <li>3. Reanalyze the network.</li> </ol> |

## C.4.5 Overlapped Services Assigned to the Same Wavelength

**Symptom** Cisco Transport Planner warns you that overlapped services are assigned to the same wavelength.

[Table C-8](#) describes the potential causes of the symptom and the solution.

**Table C-8** *Overlapped Services Assigned to the Same Wavelength*

| Possible Problem   | Solution  |
|--|---|
| Some unprotected channels with assigned wavelengths and directions overlap along the ring. | <p>Remove path routing forcing and/or wavelengths on the specific channels.</p> <p>To remove the path routing forcing:</p> <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Service Demands folder, right-click the appropriate demand and choose <b>Edit</b> from the shortcut menu.</li> <li>2. In the Path column of the Edit &lt;demand&gt; dialog box, choose <b>Auto</b> from the drop-down list.</li> <li>3. Reanalyze the network.</li> </ol> <p>To remove the wavelength forcing:</p> <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Service Demands folder, right-click the appropriate demand and choose <b>Edit</b> from the shortcut menu.</li> <li>2. In the Wavelength column of the Edit &lt;demand&gt; dialog box, choose <b>Auto</b> from the drop-down list.</li> <li>3. Reanalyze the network.</li> </ol> |

## C.4.6 Protected Services Assigned to the Same Wavelength

**Symptom** Cisco Transport Planner warns you that protected services are assigned to the same wavelength.

[Table C-9](#) describes the potential causes of the symptom and the solution.

**Table C-9** *Protected Services Assigned to the Same Wavelength*

| Possible Problem  | Solution  |
|---|---|
| In ring networks, each protected/P-ring request allocates one wavelength. If more than one protected service is forced on the same wavelength and aggregation is not possible, the network is not feasible. | <p>Remove forced wavelengths on the specific channels:</p> <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Service Demands folder, right-click the appropriate demand and choose <b>Edit</b> from the shortcut menu.</li> <li>2. In the Wavelength column of the Edit &lt;demand&gt; dialog box, choose <b>Auto</b> from the drop-down list.</li> <li>3. Reanalyze the network.</li> </ol> |

## C.4.7 Cannot Route Service Because of Add/Drop Constraints

**Symptom** Cisco Transport Planner warns you that it cannot route service because of add/drop equipment constraints.

[Table C-10](#) describes the potential causes of the symptom and the solution.

**Table C-10** Cannot Route Service Because of Add/Drop Constraints

| Possible Problem   | Solution  |
|--|---|
| Add/drop equipment forcing might prevent express channels in a node, which makes unfeasible some channel routes. | <p>Remove add/drop equipment constraints.</p> <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Sites folder, click <b>C-Band</b> or <b>L-Band</b> for the appropriate site.</li> <li>2. In the Properties pane, choose <b>Auto</b> from the Functionality drop-down list.</li> <li>3. Reanalyze the network.</li> </ol> |

## C.4.8 Design Requires a ROADM or Full Mux/Demux Site

**Symptom** Cisco Transport Planner warns you that the design requires a ROADM or full multiplexer/demultiplexer site, but no valid site was found.

[Table C-11](#) describes the potential causes of the symptom and the solution.

**Table C-11** Cannot Route Service Because of Add/Drop Constraints

| Possible Problem  | Solution   |
|---|--|
| The traffic mapping algorithm might not be able to find a valid solution that respects both the user forcing and the system specifications (in terms of maximum site losses and layout constraints). In such cases, the only possible countermeasure for the algorithm is to upgrade one node to a full capacity node (ROADM or full Mux/Demux). If no valid node is found due to user forcing or equipment locking, the process stops and the network is unfeasible. | <p>Remove any forcing/locking that prevents at least one node from being upgraded to ROADM or full multiplexer/demultiplexer. Conditions that prevent upgrading a node to ROADM or full multiplexer/demultiplexer are:</p> <ul style="list-style-type: none"> <li>• Site functionality is forced to Add/Drop and site type is forced to OADM</li> <li>• During an upgrade procedure, OADM equipment is locked if the site</li> </ul> <p>To change site functionality and type forcing:</p> <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Sites folder, click <b>C-Band</b> or <b>L-Band</b> for the appropriate site.</li> <li>2. In the Properties pane, choose <b>Auto</b> from the Functionality drop-down list.</li> <li>3. Choose <b>Auto</b> from the Type drop-down list.</li> <li>4. Reanalyze the network.</li> </ol> <p>To unlock OADM equipment:</p> <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Sites folder, click <b>Add/Drop</b> under the appropriate site.</li> <li>2. In the Properties pane, choose <b>Auto</b> from the OADM Forcing drop-down list.</li> <li>3. Reanalyze the network.</li> </ol> |

## C.5 Amplifier Troubleshooting

The following procedures help you resolve amplifier-related problems with the network design.

### C.5.1 Incompatible DCUs (C-Band)

**Symptom** Cisco Transport Planner warns you that DCUs are incompatible.

[Table C-12](#) describes the potential causes of the symptom and the solution.

**Table C-12** *Incompatible DCUs (C-Band)*

| Possible Problem   | Solution  |
|--|---|
| If the DCUs in the same site are both SMF slope compensating, the cumulative negative dispersion should not be over 1600 ps/nm.                            | Remove or change one of the forced DCUs: <ol style="list-style-type: none"> <li>In the Project Explorer pane, click <b>C-Band Amplifiers</b>.</li> <li>In the Properties pane, choose the desired DCU from the DCU1 and/or DCU2 drop-down lists.</li> <li>Reanalyze the network.</li> </ol> |
| If the DCUs in the same site belong to different types, only the following DCU combinations are allowed: DCU-E-200 and DCU-100, or DCU-E-350, and DCU-100. |   |
| Two E-LEAF slope compensating DCUs are not allowed at the same site.   |   |

### C.5.2 MMU Does Not Have Correct Amplifier (L-Band)

**Symptom** Cisco Transport Planner warns you that an L-band node with an MMU requires that the OPT-AMP-L card is forced as the preamplifier (PRE) and booster amplifier (BST).

[Table C-13](#) describes the potential causes of the symptom and the solution.

**Table C-13** *MMU Does Not Have the Correct Amplifier (L-Band)*

| Possible Problem   | Solution  |
|--|---|
| In L-band, a node with an MMU installed has amplifier forcing other than two OPT-AMP-L amplifier units, one as PRE and one as BST. | Remove any amplifier forcing in the node: <ol style="list-style-type: none"> <li>In the Project Explorer pane under the Sites folder, click <b>L-Band Amplifiers</b> for the appropriate site.</li> <li>In the Properties pane, choose <b>Auto</b> from the PRE and BST drop-down lists.</li> <li>Reanalyze the network.</li> </ol> |

### C.5.3 MMU Does Not Have Correct Amplifier (C-Band)

**Symptom** Cisco Transport Planner warns you that a C-band node with an MMU requires both a preamplifier (OPT-PRE) and a booster (OPT-BST).

[Table C-14](#) describes the potential causes of the symptom and the solution.

**Table C-14** *MMU Does Not Have the Correct Amplifier (C-Band)*

| Possible Problem   | Solution  |
|--|---|
| In C-band, a node with an MMU installed requires both OPT-PRE and OPT-BST. | Remove any amplifier forcing in the node: <ol style="list-style-type: none"> <li>In the Project Explorer pane under the Sites folder, click <b>C-Band Amplifiers</b> for the appropriate site.</li> <li>In the Properties pane, choose <b>Auto</b> from the PRE and BST drop-down lists.</li> <li>Reanalyze the network.</li> </ol> |

### C.5.4 Output Power or Tilt are Out of Range

**Symptom** Cisco Transport Planner warns you that the output power or tilt are out of range for the amplifier selected.

[Table C-15](#) describes the potential causes of the symptom and the solution.

**Table C-15** *Output Power or Tilt are Out of Range*

| Possible Problem  | Solution  |
|---|---|
| The output power or tilt forced by the user is not within the allowed range based on the algorithm selected and the type of amplifier selected. | Remove or change the forced value: <ol style="list-style-type: none"> <li>In the Project Explorer pane under the Sites folder, click <b>C-Band Amplifiers</b> or <b>L-Band Amplifiers</b> for the appropriate site.</li> <li>In the Properties pane, choose <b>Auto</b> from the Tilt drop-down list in the From Fiber and To Fiber areas. If you force a value, the tilt value limits are -3.0 to +3.0.</li> <li>Reanalyze the network.</li> </ol> |

## C.5.5 Invalid Fiber Values, Types, and Loss Values

**Symptom** Cisco Transport Planner warns you of one of the following:

- Fiber pairs are of invalid types or values
- Fibers have a start of life (SOL) total loss greater than an end of life (EOL) total loss

Table C-16 describes the potential causes of the symptom and the solution.

**Table C-16** Invalid Fiber Values, Types, and Loss Values

| Possible Problem  | Solution   |
|---|--|
| An attenuator is forced in a site where there is no place to connect. | <p>Remove the attenuator forcing or verify that the attenuator is inserted on the correct side and wavelength:</p> <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Sites folder, click <b>C-Band Amplifiers</b> or <b>L-Band Amplifiers</b> for the appropriate site.</li> <li>2. In the Properties pane, complete one of the following: <ul style="list-style-type: none"> <li>• Choose <b>Auto</b> from the Attenuator drop-down list in the From Fiber area to remove the forcing.</li> <li>• Verify that the attenuator is inserted on the correct side and wavelength. If not, revise accordingly.</li> </ul> </li> <li>3. Reanalyze the network.</li> </ol> |

## C.5.6 Attenuator Forcing Not Allowed

**Symptom** Cisco Transport Planner warns you that attenuator forcing on channels is not allowed; no add/drop ports are available.

Table C-17 describes the potential causes of the symptom and the solution.

**Table C-17** Attenuator Forcing Not Allowed

| Possible Problem   | Solution  |
|--|---|
| Cisco Transport Planner has an attenuator forced in a site where there is no place to connect. | <p>Remove the attenuator forcing or verify that the attenuator is inserted on the correct side and wavelength:</p> <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Sites folder, click <b>C-Band Amplifiers</b> or <b>L-Band Amplifiers</b> for the appropriate site.</li> <li>2. In the Properties pane, complete one of the following: <ul style="list-style-type: none"> <li>• Choose <b>Auto</b> from the Attenuator drop-down list for the appropriate amplifier.</li> <li>• Verify that the attenuator is inserted on the correct side and wavelength. If not, revise accordingly.</li> </ul> </li> <li>3. Reanalyze the network.</li> </ol> |

## C.5.7 Unavailable Add/Drop Channels

**Symptom** Cisco Transport Planner warns you that an attenuator was present, but add/drop channels are no longer available.

Table C-18 describes the potential causes of the symptom and the solution.

**Table C-18 Unavailable Add/Drop Channels**

| Possible Problem   | Solution  |
|--|---|
| After a network upgrade, a client was removed but the add/drop attenuator is still forced. | Unlock the add/drop attenuator: <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Sites folder, click <b>Client</b> for the appropriate site.</li> <li>2. In the Properties pane, choose <b>Auto</b> from the drop-down list for the appropriate Rx and Tx attenuator.</li> <li>3. Reanalyze the network.</li> </ol> |

## C.5.8 Tilt Forced When No Tilt Design Is Selected

**Symptom** Cisco Transport Planner warns you that tilt is forced for an amplifier although No Tilt Design was selected for the network.

Table C-19 describes the potential causes of the symptom and the solution.

**Table C-19 Tilt Forced When No Tilt Design is Selected**

| Possible Problem   | Solution   |
|--|--|
| The user forced one or more amplifier tilt setting, but the No Tilt Design option is also selected.<br><br><b>Note</b> To view that No Tilt Design is selected in the Project Explorer, click the appropriate system release under DWDM Design Rules settings in the Subnets folder. | Remove forced tilt for the amplifier: <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Sites folder, click <b>C-Band Amplifiers</b> or <b>L-Band Amplifiers</b> for the appropriate site.</li> <li>2. In the Properties pane, choose <b>Auto</b> from the Tilt drop-down list for the appropriate amplifier.</li> <li>3. Reanalyze the network.</li> </ol> |

## C.5.9 Cannot Replace 32-DMX with 32DMX-O

**Symptom** Cisco Transport Planner warns you that 32-DMX cannot be replaced with 32DMX-O as needed because of user forcing.

[Table C-20](#) describes the potential causes of the symptom and the solution.

**Table C-20** *Cannot Replace 32-DMX with 32DMX-O*

| Possible Problem   | Solution  |
|--|---|
| Cisco Transport Planner attempts to use the 32DMX-O card but the 32-DMX card is forced by the user. This could cause an overload of alarms or, if no channel is alarmed, problems during network installation. | <p>If channels dropped at the site are alarmed, allow the use of add/drop attenuators:</p> <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Subnets folder, expand DWDM Design Rules and click <b>System Release</b>.</li> <li>2. In the Properties pane, uncheck <b>No TXT/Line-Card RX Bulk Attenuator Design</b>.</li> <li>3. Reanalyze the network.</li> </ol> <p>If no channel is alarmed, remove the 32-DMX forcing:</p> <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Sites folder, click <b>Add/Drop</b> for the appropriate site.</li> <li>2. In the Properties pane, choose <b>Auto</b> from the Demux drop-down list.</li> <li>3. Reanalyze the network.</li> </ol> |

## C.5.10 Preamplicifier Working in Invalid Mode

**Symptom** Cisco Transport Planner warns you that a preamplifier is working in an invalid mode.

[Table C-21](#) describes the potential causes of the symptom and the solution.

**Table C-21** Preamplifier Working in Invalid Mode

| Possible Problem  | Solution  |
|---|---|
| A preamplifier is working in power control mode. Based on the traffic matrix, channel survivability might not be guaranteed if the fiber is cut or the equipment fails. | <p>If the booster amplifier preceding the preamplifier is forced as None by the user, remove the None forcing on the booster amplifier:</p> <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Sites folder, click <b>C-Band Amplifiers</b> or <b>L-Band Amplifiers</b> for the appropriate site.</li> <li>2. In the Properties pane, choose <b>Auto</b> from the Tilt drop-down list for the From Fiber (BST) amplifier.</li> <li>3. Reanalyze the network.</li> </ol> <p>If the span preceding the preamplifier is within the 27 to 30 dB range, use a higher powered C- or L-band rules algorithm (such as, 32 Chs + 5 dBm/ch):</p> <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Subnets folder, expand Traffic Mapping and click <b>System Release</b>.</li> <li>2. In the Properties pane, choose the new rules option from the C-Band Rules or L-Band Rules drop-down list.</li> <li>3. Reanalyze the network.</li> </ol> <p>If span is greater than 30 dB, the error is unavoidable.</p> |

## C.5.11 Gain Too Low for an Amplifier

**Symptom** Cisco Transport Planner warns you that an amplifier is working with a gain that is too low.

[Table C-22](#) describes the potential causes of the symptom and the solution.

**Table C-22** Gain Too Low for an Amplifier

| Possible Problem   | Solution   |
|--|--|
| An amplifier is working with a gain lower than its minimum capabilities. This could be caused by a span that is too short or by compensation problems (L-band only) coupled with the “Use in-line attenuator” option not selected. | <p>If attenuators are forced or inline attenuators were disabled, remove the forcing on the attenuators:</p> <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Sites folder, click <b>Add/Drop</b> for the appropriate site.</li> <li>2. In the Properties pane, choose <b>Auto</b> from the Attenuator drop-down list.</li> <li>3. Reanalyze the network.</li> </ol> |

## C.5.12 Gain Too High for an Amplifier

**Symptom** Cisco Transport Planner warns you that an amplifier is working with a gain that is too high.

[Table C-23](#) describes the potential causes of the symptom and the solution.

**Table C-23** Gain Too High for an Amplifier

| Possible Problem  | Solution   |
|---|--|
| An amplifier is working with a gain that is greater than its physical capabilities. | Remove the forcing on the attenuators: <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Sites folder, click <b>Add/Drop</b> for the appropriate site.</li> <li>2. In the Properties pane, choose <b>Auto</b> from the Attenuator drop-down list.</li> <li>3. Reanalyze the network.</li> </ol> |

## C.5.13 User Forcing Overridden

**Symptom** Cisco Transport Planner warns you that user forcing will not be allowed.



### Note

This is a warning and does not prevent the network from being fully functional. The message is displayed in situations where a forcing configured by the user cannot be respected due to physical constraints since the problem may appear only after several calculation steps. The algorithm notifies the user and ignores the setting to avoid interrupting the analysis.

[Table C-24](#) describes the potential causes of the symptom and the solution.

**Table C-24** User Forcing Overridden

| Possible Problem   | Solution   |
|--|--|
| If the warning appears during a network upgrade, this means the installation parameters must be updated because the upgrade is traffic affecting. This warning could also appear after importing a Cisco MetroPlanner 2.5.x network with all output as forcings. | For a network upgrade, unlock the site with the warning.<br>For a 2.5.x import, if you cannot update the installation parameters, open the design in Cisco MetroPlanner 2.5.x. |



### Note

In the upgrade mode, Cisco Transport Planner remembers all the parameters from last analysis and not from its parent network. A warning with respect to the installation parameters is displayed only when there is a difference between the new values and the values from previous analysis. For example: Create a network design and analyse it. Upgrade the network design and modify some spans. Analyse the upgraded network. A warning message is displayed since some of the installation parameters have changed. Re-analyse the network with making modifications. The warning is no longer displayed since none of the installation parameters have changed. You can create a diff report to identify all the modified installation parameters, see [“3.2.15 Viewing Report Differences”](#) section on page 3-35.

## C.5.14 Unsupported Configuration

**Symptom** Cisco Transport Planner warns you that the configuration is unsupported because of an excessive number of amplifiers or OSC regeneration sites.

[Table C-25](#) describes the potential causes of the symptom and the solution.

**Table C-25** *Unsupported Configuration*

| Possible Problem                               | Solution                         |
|--|----------------------------------|
| The system is working over its specifications. | Revise the design and reanalyze. |

## C.5.15 Channel Power Near the Fail Threshold

**Symptom** Cisco Transport Planner warns you that the channel power is near the fail threshold.

[Table C-26](#) describes the potential causes of the symptom and the solution.

**Table C-26** *Channel Power Near the Fail Threshold*

| Possible Problem  | Solution   |
|---|--|
| Some thresholds are set to the minimum value allowed; this could lead to some false alarms during network life. | Remove the forcing: <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Sites folder, click <b>C-Band Amplifiers</b> or <b>L-Band Amplifiers</b> for the appropriate site.</li> <li>2. In the Properties pane, choose <b>Auto</b> from the PRE and BST drop-down lists.</li> <li>3. Reanalyze the network.</li> </ol> |

## C.5.16 Channel Power Below the Fail Threshold

**Symptom** Cisco Transport Planner warns you that the channel power is below the fail threshold.

[Table C-27](#) describes the potential causes of the symptom and the solution.

**Table C-27** *Channel Power Below the Fail Threshold*

| Possible Problem   | Solution   |
|--|--|
| The channel power received by the site is too low, and the fail threshold cannot be set. | Remove the forcing: <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Sites folder, click <b>C-Band Amplifiers</b> or <b>L-Band Amplifiers</b> for the appropriate site.</li> <li>2. In the Properties pane, choose <b>Auto</b> from the PRE and BST drop-down lists.</li> <li>3. Reanalyze the network.</li> </ol> |

## C.5.17 OSC Channel Power Below the Fail Threshold

**Symptom** Cisco Transport Planner warns you that the OSC channel power is below the fail threshold and that the network is not feasible.

[Table C-28](#) describes the potential causes of the symptom and the solution.

**Table C-28** OSC Channel Power Below the Fail Threshold

| Possible Problem                | Solution  |
|---------------------------------|---|
| The OSC channel is not working. | Remove the forcing: <ol style="list-style-type: none"> <li>1. In the Project Explorer pane under the Sites folder, click <b>C-Band Amplifiers</b> or <b>L-Band Amplifiers</b> for the appropriate site.</li> <li>2. In the Properties pane, choose <b>Auto</b> from the OSC drop-down list.</li> <li>3. Reanalyze the network.</li> </ol> If the span where the OSC fails is longer than 37 dB, the error is unavoidable. |

