







Utility Network Error Management

Topology Error Quick Reference

| Error Type | Error Description | Resolution |
|--|--|---|
|  Junction-Edge Error | 8: Invalid connectivity – No junction edge rule | <ol style="list-style-type: none"> 1. If you determine that one of the features has an incorrect asset group / asset type or the features have not been drawn correctly then you should fix the incorrect data. 2. If the affected features have been drawn correctly and should be allowed to connect then your geodatabase administrator can add a rule to your network to allow them to connect. |
|  Ambiguous Connectivity | 9: Invalid connectivity – More than one junction edge rule applicable | <ol style="list-style-type: none"> 1. In most cases this error is caused by not populating the terminal connections for a device and line. You should first try to use the terminal connections tool to assign the terminal connections between the line and device. 2. If the type of line that has an error can never be connected to one of the terminals or features, then you should remove the invalid rule that allows for that connection. 3. If you have stacked junctions and/or devices that are connected to a line then you should move one of the features so they are not stacked. |
|  Edge-Edge Error | 10: Invalid connectivity – The edges are different subtypes and cannot connect | <ol style="list-style-type: none"> 1. If the two features should be the same type of line then you can change the asset type on one of the lines so their asset types match. 2. If both lines are properly classified then you will need to create a point feature between the two lines. When creating this feature you will need to make sure that the newly created point either has an edge-junction-edge rule with both the lines or it has a junction-edge rule for each individual line. 3. If the two lines shouldn't be connected then you should move one of the two lines so they are no longer connected. |
|  Stacked Points | 25: Stacked point features | <ol style="list-style-type: none"> 1. If the stacked feature appear to be duplicate features, or one of the features is invalid then you should delete one of the stacked features. 2. If both features are valid then you will need to move one of the features so it is no longer stacked. You may need to redraw or add new lines to maintain connectivity for the area. |
|  Invalid Terminal | 36: The line feature has an invalid terminal | <ol style="list-style-type: none"> 1. If the line is not connected to a device with terminals you should edit the line and set the terminal attribute to None using the attributes pane 2. If the line is connected to a device with terminals you will need to edit the line and reset the terminal attribute to None using the attributes pane before you can correct the terminal using the terminal connections tool. |
|  Midspan Terminal Device | 38: Devices with multiple terminals cannot be midspan | <ol style="list-style-type: none"> 1. If the device is drawn correctly then you should split the line it is connected to and use the terminal connections tool to assign the terminal connections between the line and device. 2. If the device is not drawn correctly then you should move the device to it's correct position. You may need to run the assign terminal connections tool once you've moved the device. |