Verification Messages in MiTS

Bottom Panel · https://mes100.com/docs/verification-messages-in-mits/

MiTS continuously checks your design for geometry and modelling problems and lists them in the **Verification** panel. Some of these can be fixed automatically via **Autofix / right-click Resolve** — used across Road and Earthwork. **Autofix** (Actions tab, or the Verification tab's own Autofix button) runs a batch fix across every eligible issue in the project at once — see General MiTS UI for where the button lives. **Right-click Resolve** fixes just one message at a time, from its right-click menu in the Verification list, without running a full batch Autofix.

Everything else needs the user to change the design by hand, with guidance from the linked article.

This page is a running index of what the Verification panel can flag, module by module, and how to deal with each one. Where there's enough to say about a particular message — the reasoning behind it, caveats, a before/after — it links out to its own article. Where there isn't, the summary below is the whole story.

Road

Verification message	Fix	Notes
The distance of start point and end point is < 0.001 but the points are not merged to form a closed road	Autofix or right-click Resolve	Merges the near-duplicate start/end point and closes the road. See Fixing "Road Needs Closing" Errors with Close Road Autofix.
[Point] makes a straight line with [Point] (appearing right after closing a road)	Informational Warning only — nothing to Autofix	Expected side effect of closing a road at a collinear joint; doesn't block generation. See Understanding the "Makes a Straight Line" Warning After Closing a Road.

Verification message	Fix	Notes
Both the start and end VIP points are defined which results in duplicated definition; you only need to define either one for closed road / Vertical alignment has duplicate points: [Point] and [Point]	Autofix or right-click Resolve	Happens when a closed road's vertical alignment has both a Start VIP and an End VIP defined at the same station — a redundant duplicate. Deletes the redundant End VIP, leaving the Start VIP to define that point.
[Road] and [Road] meet end-to-end, so this junction can't be formed on both sides	Autofix or right-click Resolve	Merges the two roads into one, leaving a 1 m placeholder radius at the joint for you to replace. If they can't be merged, the suggestion says why; see How to Design L-Junction.
Arc angle for IP is not a valid value	Manual	See How to solve the invalid arc angle message.

Earthwork / Platforms

Verification message	Fix	Notes
Platform "1" overlaps with platform "2"	Autofix	Automatically adjusts the boundary of one or more platforms so they no longer intersect. See Platform 'AutoFix' Feature and How to Fix Overlapping Platform.
Platform does not form a valid plane	Autofix	See Platform 'AutoFix' Feature.
Platform is incomplete after snap rounding	Autofix	See Platform 'AutoFix' Feature.
Boundary [X] intersects with platform [Y]	Autofix or right-click Resolve	Snaps the offending platform's vertices onto the boundary. If the overlap isn't obvious to the naked eye (e.g. a sliver intersection), Autofix/Resolve will find and fix it without needing to hunt for it manually.

Verification message	Fix	Notes
Platform Index are Located Outside The Survey Point Boundary / Platforms are Located Outside Convex Hull	Manual	See How To Solve “Platform Index are Located Outside The Survey Point Boundary” or “Platforms are Located Outside Convex Hull”.

Integration / Clash Analysis

Verification message	Fix	Notes
Clashing entities (general)	Manual, with 3D visual aids	See How to Verify Clashing Issue and Blinking Entities in 3D for Clashing Entities.

Related



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I’m the Benevolent Dictator for Life for MiTS Software cum Editor of this website. Read more here.

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