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## What are the metrics used to determine the icon color coding within the BUILDER hierarchy and its reports?

Paul Paisley - 2023-11-28 - [Comments \(0\)](#) - [Frequently Asked Questions](#)

Condition, functionality and performance metrics used in BUILDER are communicated upwards through the hierarchy in a weighted fashion. At each level of the hierarchy, the condition index (CI), functionality index (FI) or performance index (PI) for that level provides an understanding of the average condition/functionality /performance of the real property contained in all the inventory items under the specified Organization, Site, Complex, Building, System, or Component. The value of the index will determine whether the inventory icon for any given inventory icon appears as green, amber, or red. Gray indicates that no assessment has been recorded in BUILDER for anything under that asset. Likewise, the condition index of the Component-Section level also correlates to green, amber, red or gray icon coloring.

The attached document describes the metrics used to determine the icon colors within the hierarchy, as well as a numerical understanding of the color scheme found in the BUILDER application and its generated reports. Additionally, definitions are provided for distress words/descriptions :

[Levels of Color and DCR Number Assoc w/Distress Word Definitions](#)

Please also check the below link for the Rating Definition chart from the BUILDER Help information:

[Ratings Definitions :](#)

Rating	SRM □ Needs	Rating Definition
Green (+)	Sustainment consisting of possible preventive maintenance (where applicable)	Entire Component-Section or Component-Section sample free of observable or known distress
Green	Sustainment consisting of possible preventive maintenance (where applicable) and minor repairs (corrective maintenance) to possibly few or some subcomponents	No Component-Section or sample serviceability or reliability reduction. Some, but not all, minor (non-critical) subcomponents may suffer from slight degradation or few major (critical) subcomponents may suffer from slight degradation.
Green (-)	Sustainment or restoration to any of the following: Minor repairs to several subcomponents, or Significant repair, rehabilitation, or replacement of one or more subcomponents, but not enough to encompass the Component-Section as a whole, or Combinations thereof	Slight or no serviceability or reliability reduction overall to the Component-Section or sample. Some, but not all, minor (non-critical) subcomponents may suffer from minor degradation or more than one major (critical) subcomponent may suffer from slight degradation.
Amber (+)		Component-Section or sample serviceability or reliability is degraded, but adequate. A very few, major (critical) subcomponents may suffer from moderate deterioration with perhaps a few minor (non-critical) subcomponents suffering from severe deterioration.
Amber		Component-Section or sample serviceability or reliability is definitely impaired. Some, but not a majority, major (critical) subcomponents may suffer from moderate deterioration with perhaps many minor (non-critical) subcomponents suffering from severe deterioration.
Amber (-)		Component-Section or sample has significant serviceability or reliability loss. Most subcomponents may suffer from moderate degradation or a few major (critical) subcomponents may suffer from severe degradation.
Red (+)	Sustainment or restoration required consisting of major repair, rehabilitation, or replacement to the component- section as a whole	Significant serviceability or reliability reduction in component-section or sample. A majority of subcomponents are severely degraded and others may have varying degrees of degradation.
Red		Severe serviceability or reliability reduction to the Component-Section or sample such that it is barely able to perform. Most subcomponents are severely degraded.
Red (-)		Overall Component-Section degradation is total. Few, if any, subcomponents salvageable. Complete loss of Component-Section or sample serviceability.

### Attachments

- [Levels-of-Color-and-DCR-Number-Assoc-and-Distress-Words-1.pdf \(216.83 KB\)](#)