# Compare Results

| Old File: | | New File: |
|---|---|---|
| **22.02.01 v03.pdf** | versus | **F.01.02 - 22.02.01 v04.pdf** |
| **2 pages (104 KB)** | | **1 page (129 KB)** |
| 1/22/2022 4:42:05 PM | | 1/23/2022 1:23:17 AM |

| Total Changes | Content | | Styling and Annotations | |
|---|---|---|---|---|
| **30** | 9 | Replacements | 0 | Styling |
| | 10 | Insertions | 0 | Annotations |
| | 11 | Deletions | | |

Go to First Change (page 1)

| 1. Process Category | 2. Metric ID (new, old) | 3. Method | 4. Frequency |
|---|---|---|---|
| F | **F.01.02** (22.02.01) (123) | automated/manual | monthly |

### 5. Attribute

Calculating Variances

### 6. Metric Intent

This metric confirms that BCWP calculated in a manner consistent with the way work is planned. This metric identifies the count of incomplete discrete WPs that have a reported BCWPi that is not consistent with the WP budget value and EVT methodology.

### 7. Metric Short Description

BCWPi not consistent with budget and EVT                                                    I          H

### 8. Metric

**X = Number of incomplete in-progress discrete WP WBSs in the EVMS cost tool, where current reporting period BCWPi in the EVMS cost tool BCWPi is not consistent with BCWSi and EVT in the EVMS cost tool or is not consistent with the associated WP activity EVTs in the FC IMS.**

**Y = Number of incomplete in-progress discrete WP WBSs in the EVMS cost tool.**

| 9. Max. Threshold | 10. Max. Tolerance | 11. Weight | |
|---|---|---|---|
| 0 | | 1.7 | |

### 12. Needed Artifacts and Data Elements

| Y artifact(s) | X artifact(s) | FF data elements |
|---|---|---|
| FF03_{cost} | FF03_{cost} | FF03_{cost}_[B]_CPP_status_date FF03_{cost}_[C]_period_date |
| | FF04_{schedule} | FF03_{cost}_[D]_WBS |
| | schedule and cost documents | FF03_{cost}_[G]_WBS_type |
| | | FF03_{cost}_[J]_EV_method |
| | | FF03_{cost}_[K]_inc_BCWS_dollars |
| | | FF03_{cost}_[K]_DB |
| | | FF03_{cost}_[L]_BCWPc |
| | | FF03_{cost}_[L]_inc_BCWP_dollars |
| | | FF04_{schedule}_[K]_EV_method |

### 13. Assumptions

### 14. Instructions

Determine Y items based on the following.

Count FF03_{cost}_[D]_WBS items and, if identified, with the following characteristics.

- FF03_{cost}_[G]_WBS_type = WP
- FF03_{cost}_[L]_BCWPc < FF03_{cost}_[K]_DB
- FF03_{cost}_[J]_EV_method <> A or J or K or NA
- FF03_{cost}_[L]_BCWPc > 0
- FF03_{cost}_[L]_inc_BCWP_dollar <> 0/null
- FF03_{cost}_[K]_inc_BCWS_dollars <listing>
- FF03_{cost}_[B]_CPP_status_date = FF03_{cost}_[C]_period_date for incremental operation

Determine X items, a subset of Y, based on the following.

Manually count flagged items based on the following operation(s).

- FF03_{cost}_[L]_inc_BCWP_dollars is not consistent with FF03_{cost}_[K]_inc_BCWS_dollars and FF03_{cost}_[J]_EV_method
  OR
  FF03_{cost}_[L]_inc_BCWP_dollars is not consistent with FF04_{schedule}_[K]_EV_method in the FC schedule

Determine if X or X/Y exceeds the threshold.

| | |
|---|---|
| **Y** | |
| qualifier | |
| WBS type | |
| **incomplete** | |
| EVT | |
| other 1 | |
| other 2 | |
| other 3 | |
| other | |
| **X** | |
| qualifier | |
| operation | |

### 15. Reference(s)

Page 37, Intent: "The intent of this guideline is to recognize that analysis must be accomplished on a regular, periodic basis. It is critical that the calculation of earned value (see guidelines 7 and 10) be based consistently with the manner used to establish the budgets (see guidelines 8, 10, and 12). This ensures a generation of valid variances for analysis purposes."

### 16. Revision Block

| rev. no. | description of change and sections affected | date prepared | prepared by | date approved | approved by |
|---|---|---|---|---|---|
| V04.00 | Updated for release. See track changes. | 2022-01-21 | PM-30 | 2022-01-21 | Melvin Frank |
| V03.00 | Updated for release. See itemized revision list. | 2020-02-10 | PM-30 | 2020-02-10 | Melvin Frank |
| V02.00 | Updated for release. None. | 2019-07-31 | PM-30 | 2019-07-31 | Melvin Frank |
| V01.01 | Updated through 2019-03-13. Minor corrections. | 2019-03-13 | PM-30 | 2019-03-14 | Melvin Frank |
| V01.00 | Updated for release. All. | 2019-01-31 | PM-30 | 2019-01-31 | Melvin Frank |