

Multi-assessment Analysis User Guide

EPRM v3.42, March 2021

EPRM User Support: eprmhelp@alionscience.com 1.800.754.4204

Introduction:

The Multi-assessment Analysis function provides users a streamlined method to perform side-by-side comparisons of two or more assessments. This feature can be used for several different analytical actions, such as trend analysis of a particular organization over time, cross-cutting analysis of organizations within a command, and discrete asset or threat analysis of an AOR. This guide will provide users with an understanding of the features available for Multi-assessment Analysis.

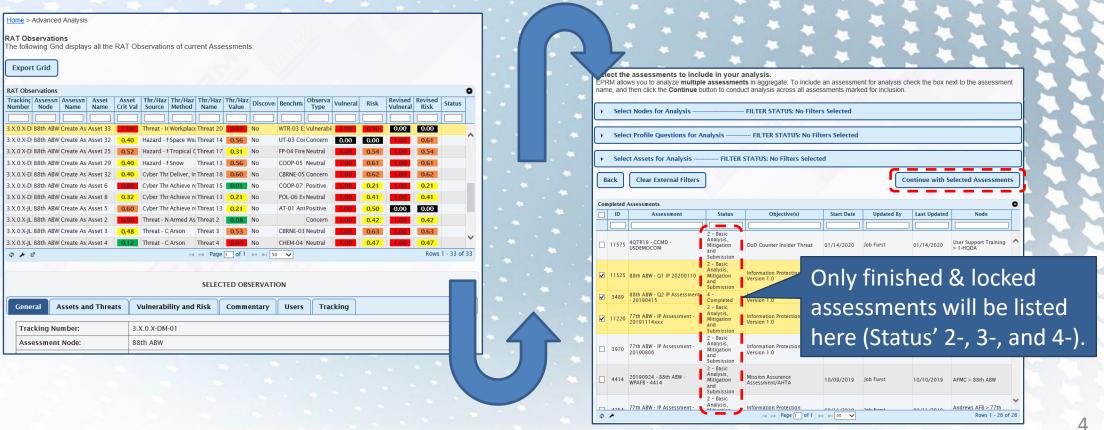
Beginning the process on the Home page:

Open the EPRM program. Select "Advanced Analysis" from the dashboard to open the assessment selection grid page. NOTE: Assessment selection appears at the bottom of the next page; users will need to scroll down to make their selections.



Select Assessments for Analysis:

The top of the page contains Risk Assessment Tool (RAT) observations of current assessments. Scroll down to the bottom of the page for a list of assessments eligible for analysis. Eligible assessments are those not in the "1-Data Collection" phase. Users can select individual assessments from the list to include in the multi-assessment analysis and click "Continue with Selected Assessments". In some cases the list may contain hundreds of assessments and require specific filtering to pair down the selections.

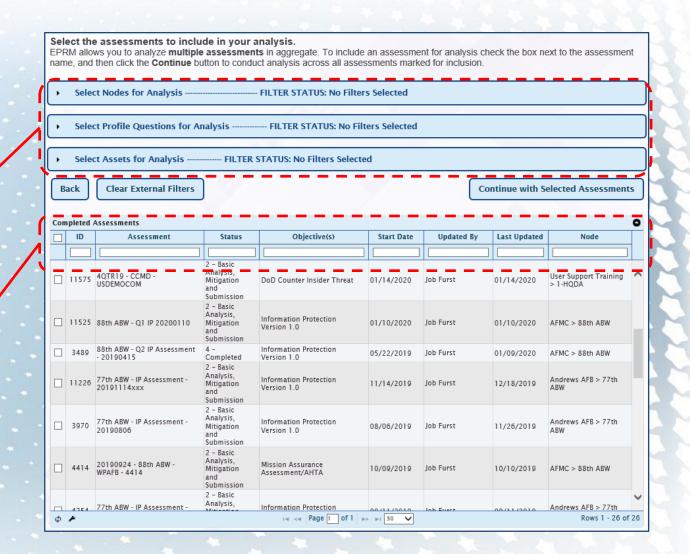


Select Assessments for Analysis:

A closer look at the assessment selection area reveals multiple methods to sort and filter the assessment list.

Above the Completed Assessments grid are three expandable menus to filter the assessments by Node, Profile Questions, and/or Assets. These filters will be discussed in more detail on the upcoming pages.

Click column headings to sort in an ascending or descending order. Or, enter a search term in the text box below the column heading to filter assessments matching the search term.

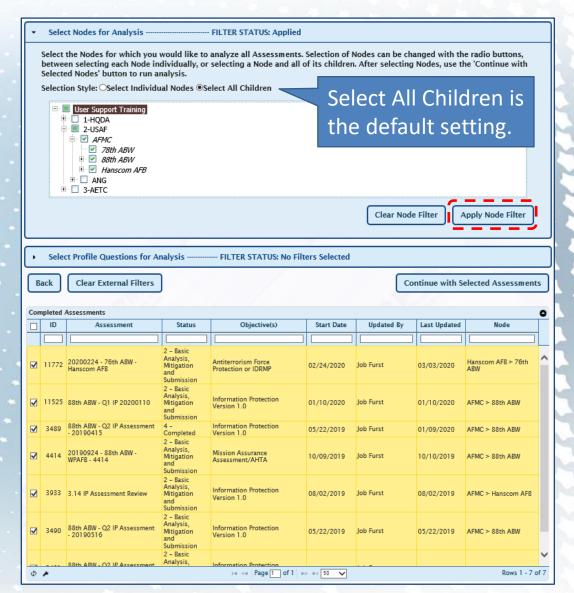


Node Filter

By expanding the 'Select Nodes for Analysis' filter, users will open the nodal hierarchy structure from which they can identify the node to be used as filter criteria. By default, all child nodes below the selection are included.

In this example, the user has selected the 'AFMC' node. The 78th ABW, 88th ABW, and Hanscom AFB nodes (and their child nodes) were included in the filter.

Filtering will not occur in the assessment assessments grid until the user clicks the 'Apply Node Filter' button. The resulting list is a more manageable number of assessments. Deselect any individual assessments if its inclusion is not desired.



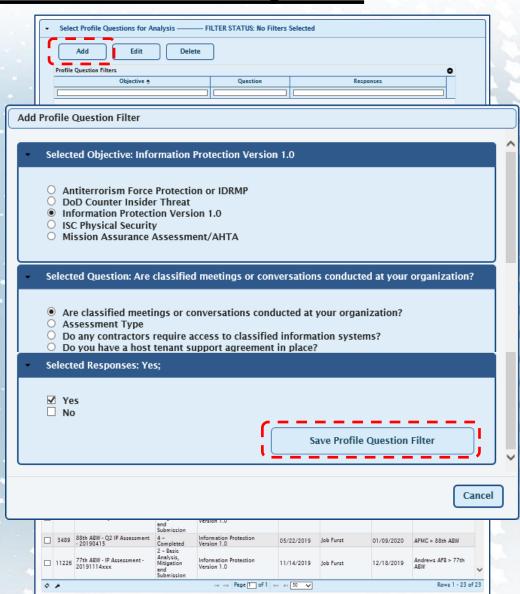
Profile Questions Filter

By expanding the 'Select Profile Questions for Analysis' filter users will open a working area where multiple filters can be applied based on assessment profile questions.

In this working area the user will create one or more custom filters to be applied the list of assessments.

To create a custom filter, first click the 'Add' button and begin selecting the filter criteria (the objective, the particular profile question, and that question's response). Finally, click 'Save Profile Question Filter'.

Repeat until all desired custom filters have been created.

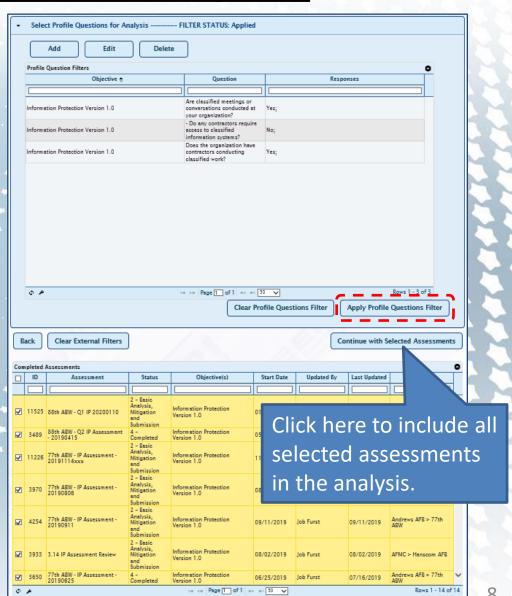


Profile Questions Filter

The newly created custom filters display in the top half of the screen. Filters are not applied to the list of assessments until the user clicks 'Apply Profile Questions Filter' button.

In this example, all filters have been applied. The resulting list of assessments are automatically selected to be included in the multi-assessment analysis (as indicated by the check marks and yellow highlight).

To submit the selected assessments to the multiassessment analysis, click the 'Continue with Selected Assessments' button.



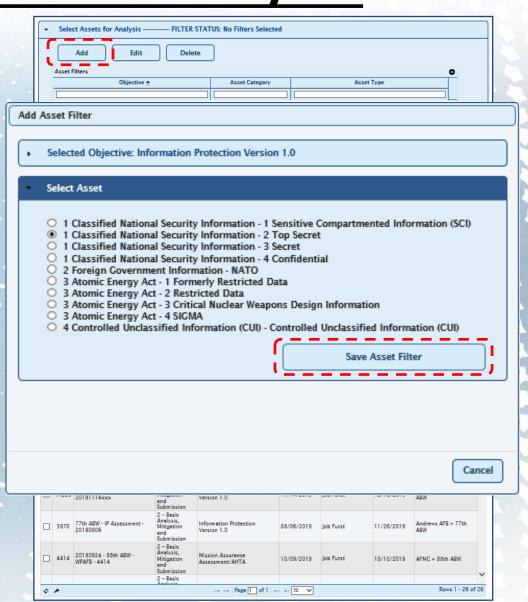
Assets Filter

By expanding the 'Select Assets for Analysis' filter users will open a working area where multiple filters can be applied based on asset categories from specific objectives.

In this working area the user will create one or more custom filters to be applied the list of assessments.

To create a custom filter, first click the 'Add' button and begin selecting the filter criteria (the objective and the particular asset category). Finally, click 'Save Asset Filter'.

After all desired filters have been set, and assessments selected for analysis, click "Continue with Selected Assessments".

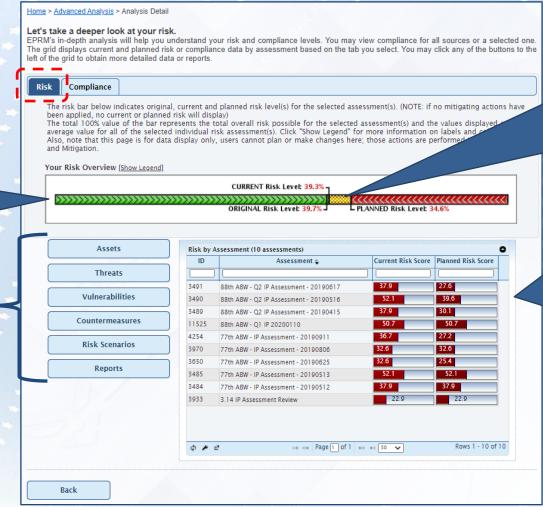


Multi-assessment Overview

After selecting the desired assessments and continuing the process, the page below will be displayed providing a top-level overview of the compiled assessment data. Note: the default tab is the "Risk" tab. See page 12 for a look at the "Compliance" tab.

A single visual of the combined risk from all assessments in the roll-up analysis.

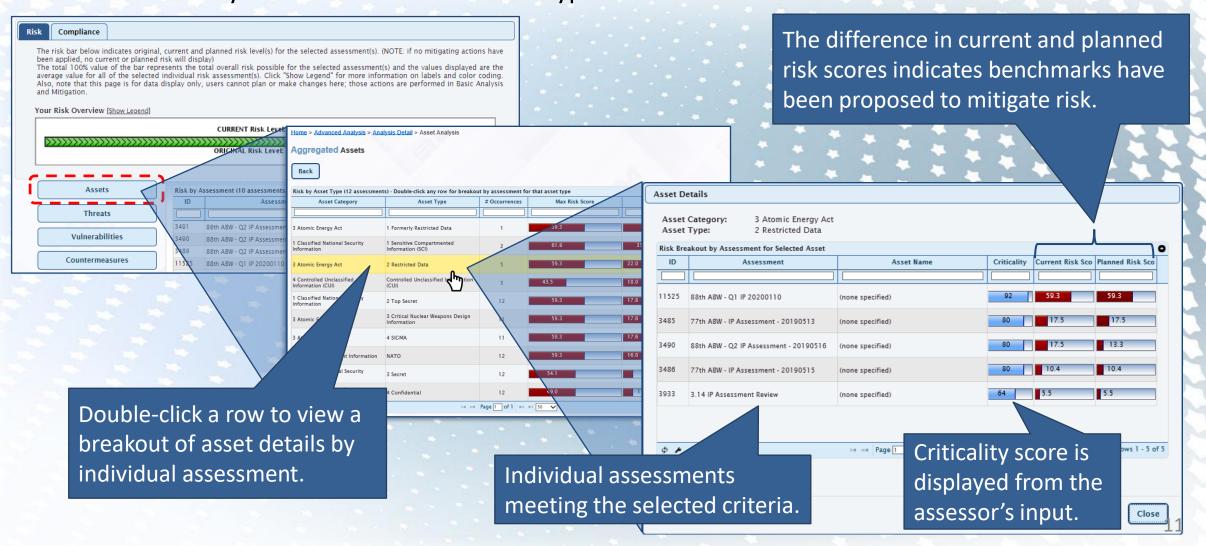
Select from various aggregated lists to view risk by each type of asset, threat, etc.



The aggregate risk reduction resulting from proposed benchmarks appears in the risk overview in yellow. Below, the proposed risk reduction is separated by individual assessment.

Multi-assessment Visualization

Select the Assets button to view an aggregated summary of risk by asset type. Double-click a row to view a breakout by assessment for that asset type.



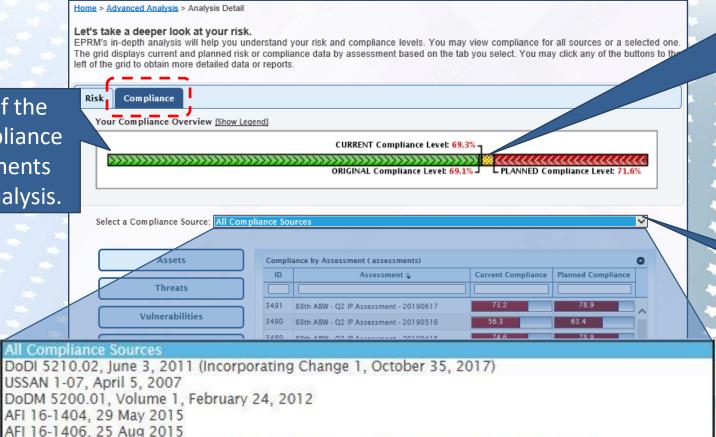
UNCLASSIFIED

Multi-assessment Overview

The Compliance tab provides an overview of aggregate compliance with DoD Instruction and

guidance.

A single visual of the combined compliance from all assessments in the roll-up analysis.



DoDM 5200.01, Volume 2, February 24, 2012 (Incorporating Change 2, March 19, 2013)

DoDM 5200.01, Volume 3, February 24, 2012 (Incorporating Change 2, March 19, 2013)

DoD 5220.22-R, December 4, 1985

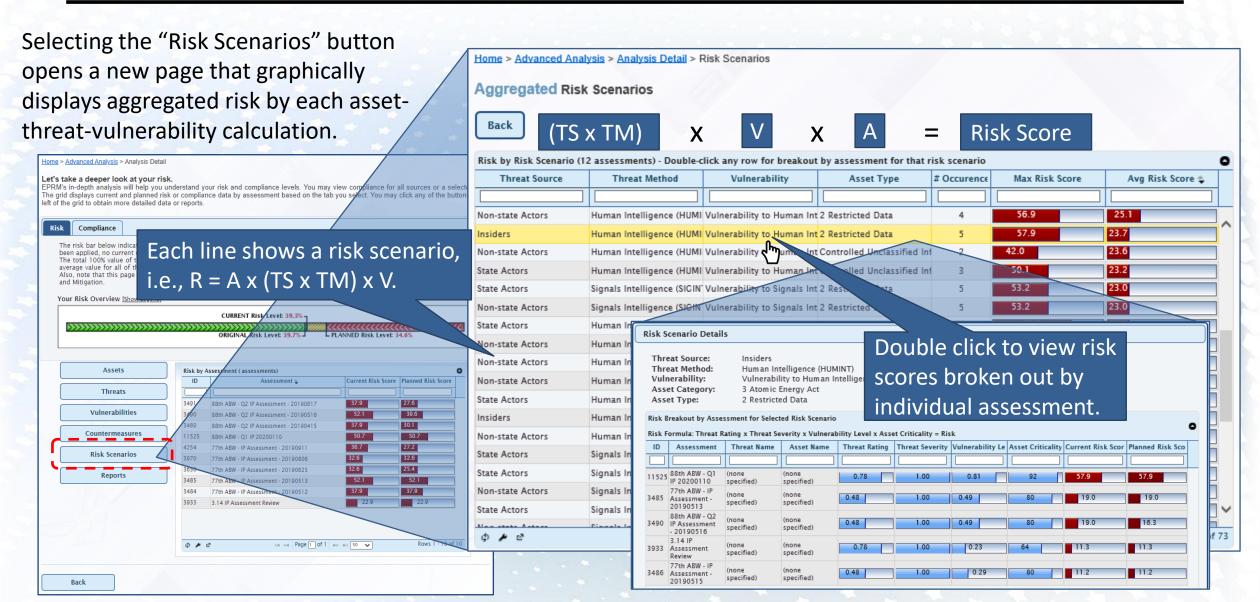
DoD 5210.42, AFMAN 13-501, 09 March 2017

DoDM 5200.02, April 3, 2017

The aggregate compliance increase resulting from proposed benchmarks is represented by the yellow segment in the compliance overview bar.

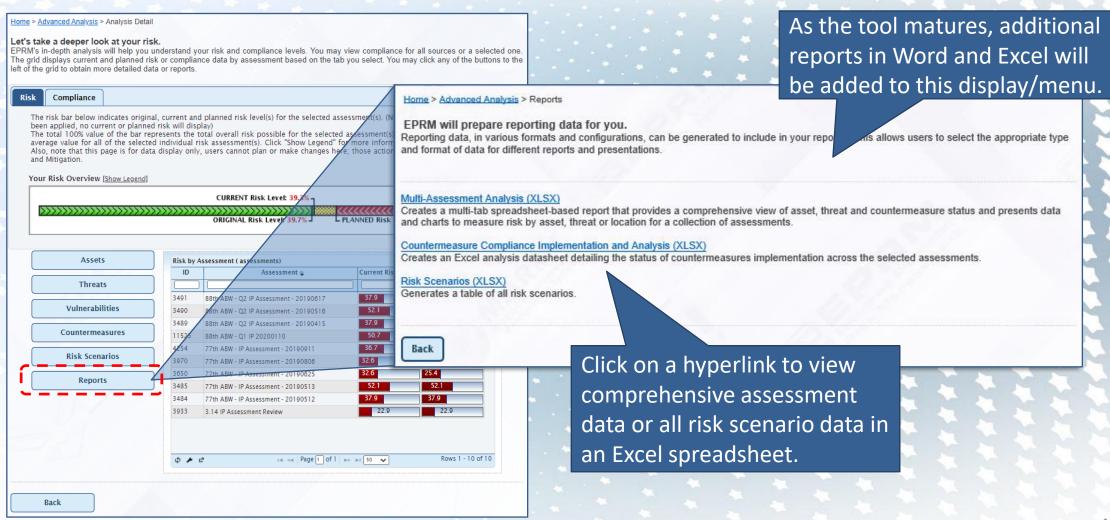
The pull down menu allows sorting by individual compliance source.

Multi-assessment Visualization—Risk Scenarios



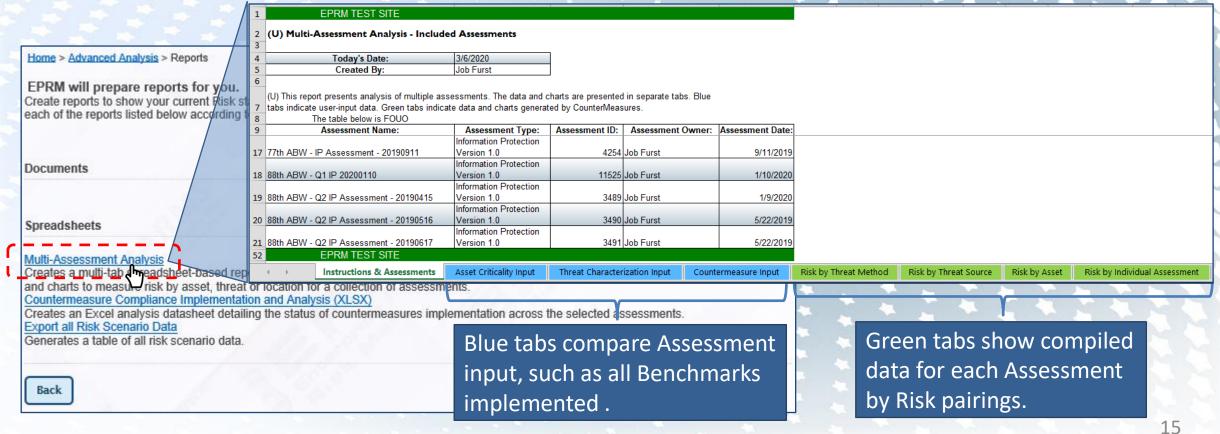
Multi-assessment Visualization—Reports

Click the "Reports" button to access a listing of available reports. Select a hyperlink to open the selected report to open in Excel. Examples of each report are displayed on the next several pages.



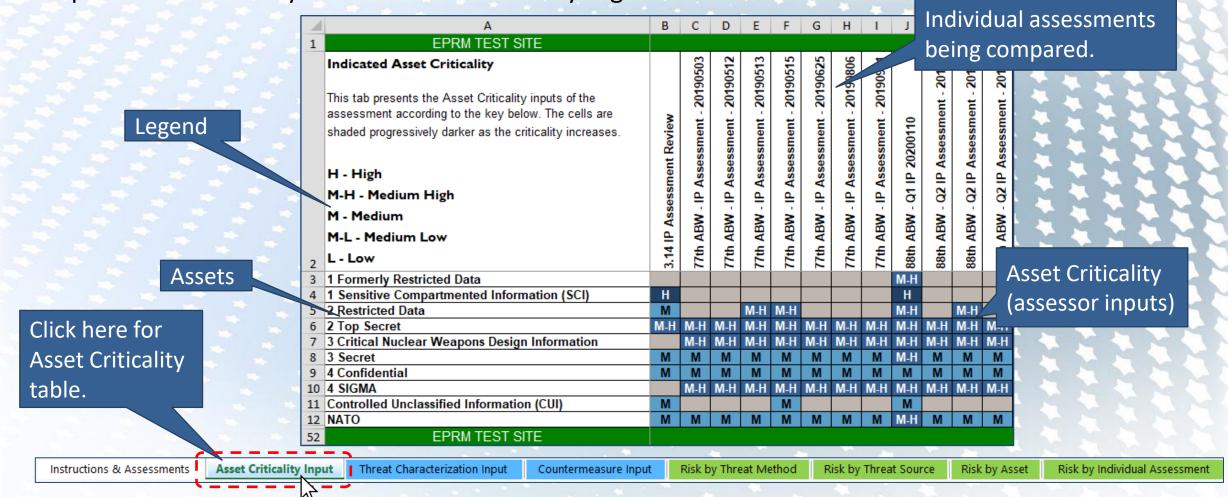
Multi-assessment Visualization—Reports (cont'd)

Clicking the "Multi-Assessment Analysis" hyperlink opens an Excel file report. This file opens to an information cover that details the assessments included in the analysis. Note: the tabs at the bottom of the page. Blue tabs indicate user input data and Green indicate calculated data generated by the tool. The data arrays (shown in subsequent pages) are not finished reports, but source material for users to integrate into reports as desired.



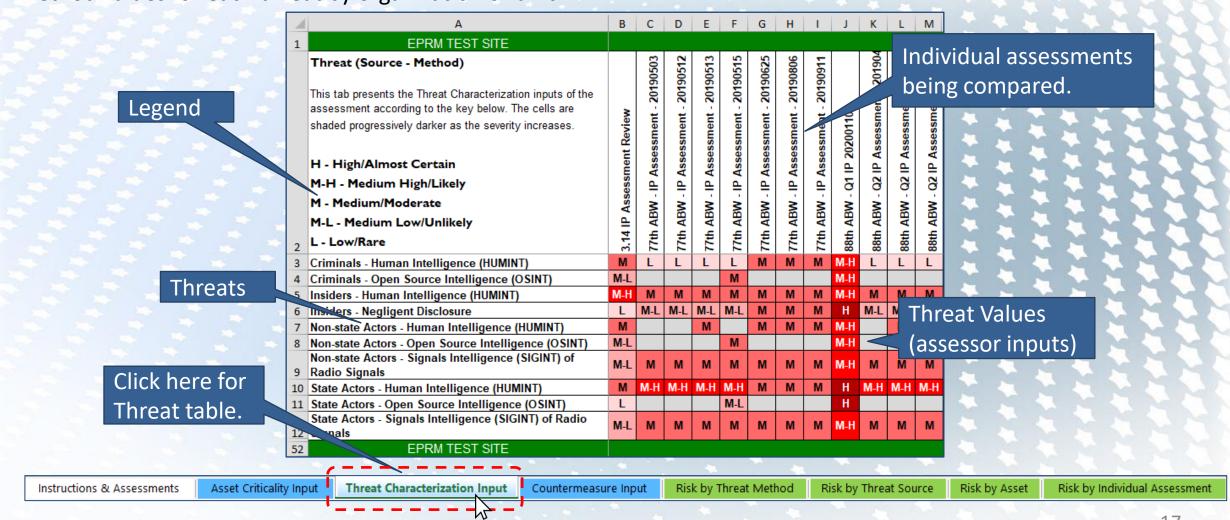
Multi-assessment Visualization—Asset Input Report

Clicking through the tabs, "Asset Criticality Input" opens the sheet shown below. Included units are listed on the x-axis and assets on the y-axis. This sheet provides a visualization of the side-by-side comparison of criticality values for each asset by organization or unit.



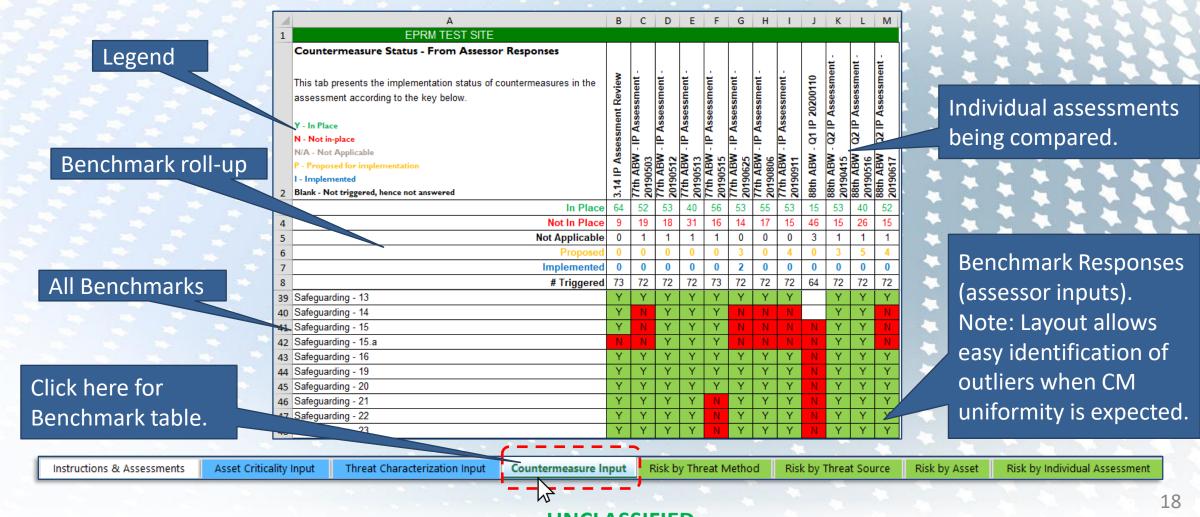
Multi-assessment Visualization—Threat Input Report

Continuing through the tabs, Threat Characterization Input opens the sheet shown below, which lists units on the x-axis and threats on the y-axis. This sheet provides a visualization of the side-by-side comparison of source and method values for each threat by organization or unit.



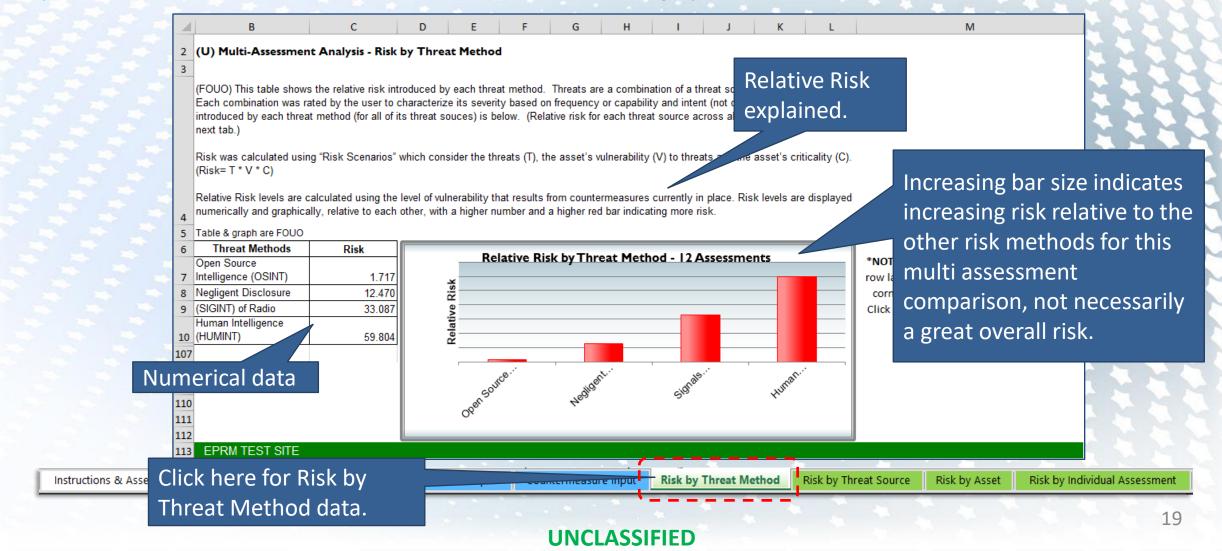
Multi-assessment Visualization—CM Status Report

Finishing the Blue (Input) tabs, Countermeasure Input opens the sheet shown below, which lists units on the x-axis and Countermeasures on the y-axis. This sheet provides a side-by-side comparison by countermeasure implementation of each organization or unit.



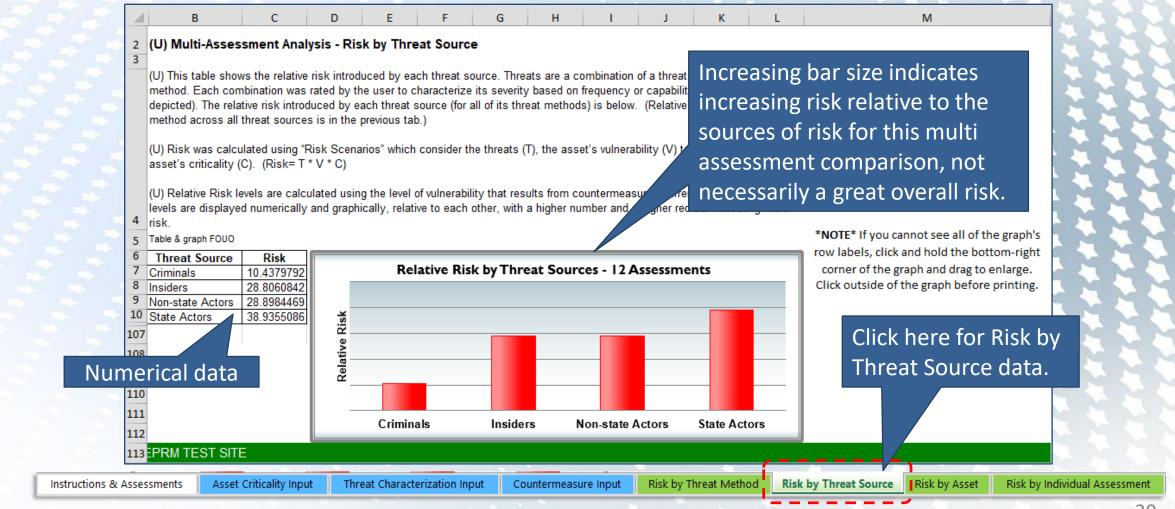
Multi-assessment Visualization—(R by T_M) Report

Moving to the Green (calculated data) tabs, Risk by Threat Method opens the sheet shown below, which uses a graph rather than a table format to display data. In addition to the graph, it and subsequent Green tabs include a written explanation, and the numerical data in a table to the left of the graph.



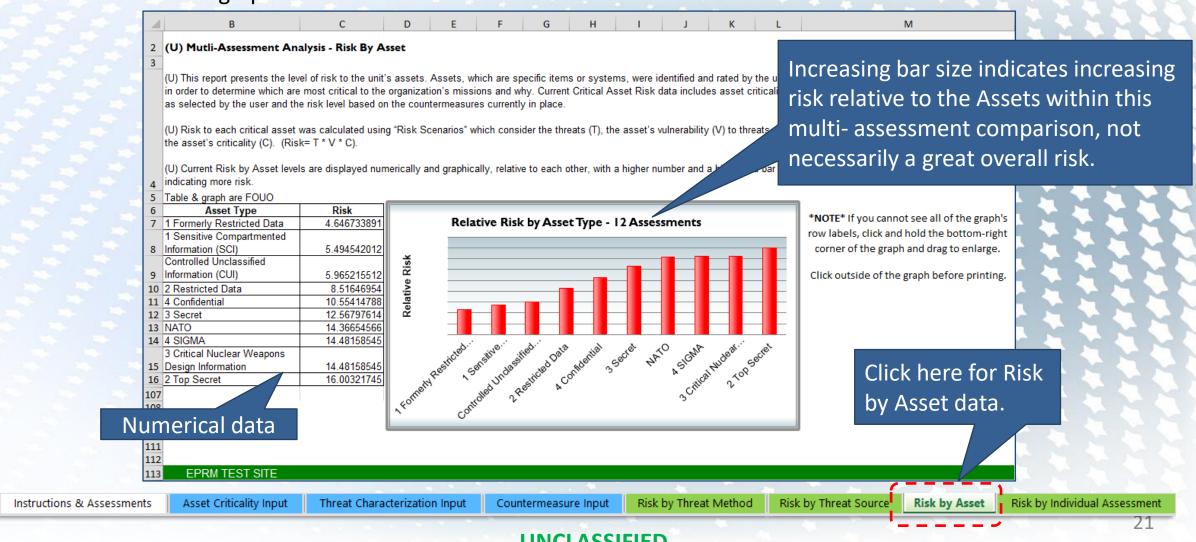
Multi-assessment Visualization—(R by T_s) Report

Continuing with the Green (calculated data) tabs, Risk by Threat source opens the sheet shown below. Here the threat source, or threat actors are displayed in the bars of the graph. Again, it includes a written explanation, and the numerical data in a table to the left of the graph.



Multi-assessment Visualization—(R by A) Report

Continuing with the Green (calculated data) tabs, Risk by Asset Type opens the sheet shown below. Here the assets that are at risk are displayed in the bars of the graph. Again, it includes a written explanation, and the raw data in a table to the left of the graph.

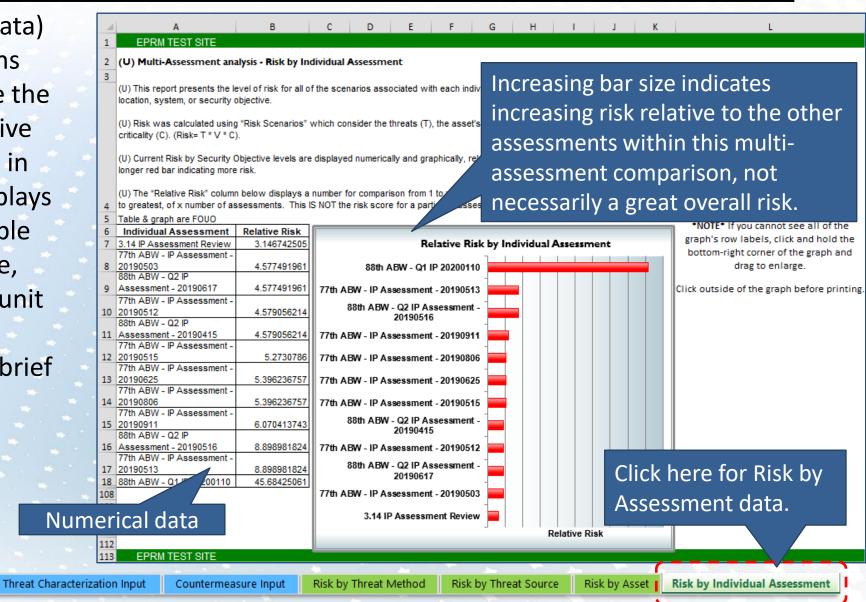


Multi-assessment Visualization—(R by Unit) Report

The final Green (calculated data) tab, Risk by Assessment opens the sheet shown below. Here the individual assessments' relative aggregate risk is represented in the bar graph. The graph displays horizontally to show a readable list of units down the left side, and an easier recognition of unit risk comparisons. The other features remain the same, a brief explanation and a table of numerical values.

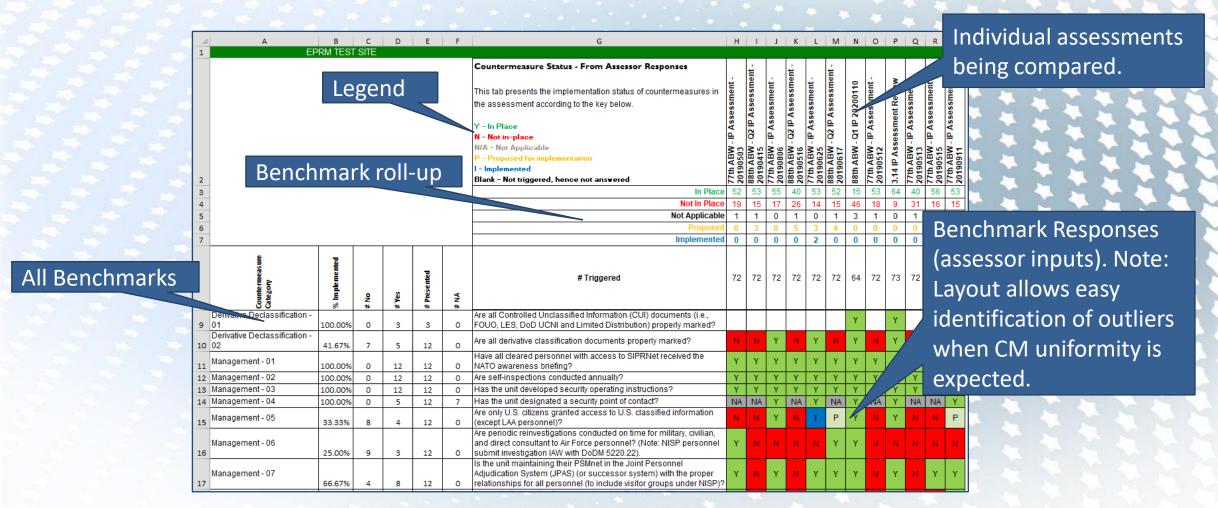
Asset Criticality Input

Instructions & Assessments



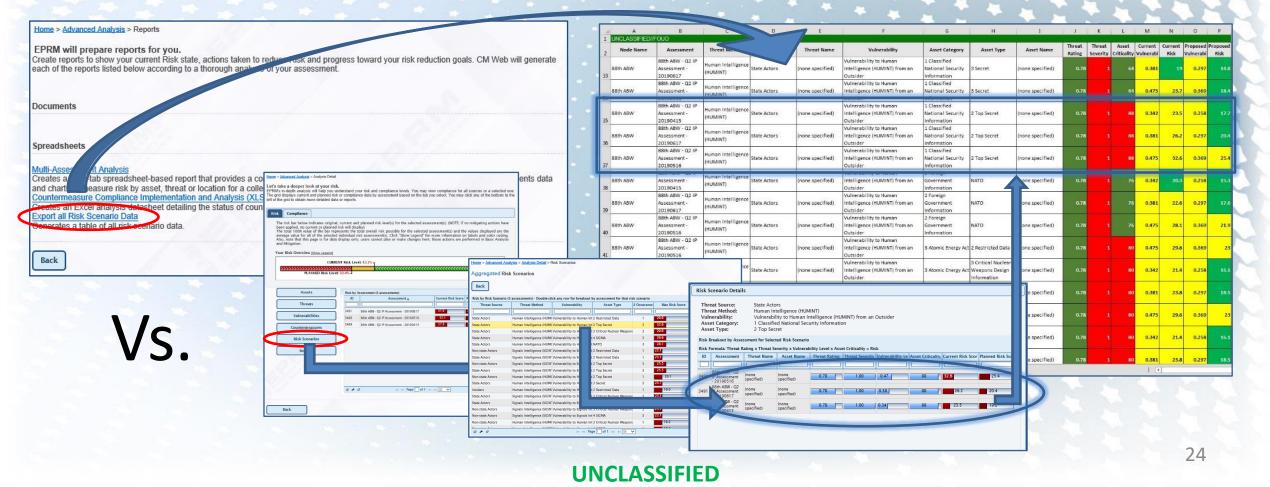
CM Compliance Implementation & Analysis

Creates an Excel analysis datasheet detailing the status of countermeasures implementation across the selected assessments.



All Risk Scenario Visualization

Clicking the "Export all Risk Scenario Data" hyperlink opens an Excel file report. This report contains similar risk scenario information described previously (pg. 9); however, the report lists all risk scenarios as compared to the aggregated risk scenarios by each asset-threat-vulnerability calculation. The Excel report format allows the user to manipulate the data further if desired.



Final Note: User Assistance

For additional user assistance, please utilize the following references and POCs:

- Accessing system: (SIPRNET) https://eprm.csd.disa.smil.mil
- Help: For assistance and for any questions, please email
 <u>EPRMhelp@alionscience.com</u> or call 1-800-754-4204. 0700-1700

 Eastern time

Resources:





 On NIPR, User guides, videos & other materials are available on the EPRMHelp page: http://eprmhelp.countermeasures.com