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Resource Ordering and Status System (ROSS)



ROSS Release 2.16.1

**ROSS Analytical Reports Historical
Instructor Guide**

Revision D013

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**Prepared by: Lockheed Martin Information Systems & Global Services (IS&GS)
ROSS Project Office – Lakewood, CO**

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1 COURSE OVERVIEW

This Instructor Guide is used to facilitate conduct of the ROSS Analytical Reports Historical (ARH) training course.

1.1 Course Purpose

The course is designed to instruct students in generating ad-hoc ROSS reports using:

- Archive Data (i.e., data from past years).
- History Data (i.e., data for which changes over time are tracked).

The ROSS ARH course focuses on understanding and using the ROSS ARH data package, and does not address Cognos application functionality (which is addressed in the pre-requisite Standard ROSS Reports and Query Studio ROSS Reports courses).

Note that multi-year versions of the Resource Order Form standard report are available, and are discussed in the Standard ROSS Reports course.

1.2 Target Audience

The course is intended for individuals that actively generate ad-hoc ROSS reports in Cognos Query Studio using the ROSS AR (Current Year) data package, and who have the need to generate ad-hoc ROSS reports using archive and tracked data (e.g., GACC Business Leads).

1.3 Course Description

The course combines instructor-led lecture and demonstration with individual and group student practice using the Cognos Query Studio application. The course is divided into units that address related topics, and the units are intended to be taught sequentially. The time required to conduct the course is two (2) days. The first day consist of instructor lecture and demonstration, and instructors and students building reports together. The second day involves students working in small groups to 'table-top' report scenarios, and then each student independently building the reports.

The course uses an incremental approach for learning ROSS ARH. Students progress through the following topics, each of increasing complexity:

- Building reports using Archive data.
- Building reports using Look Up History query items.
- Building reports using Tracked History query items.

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1.4 Course Objectives

The following table identifies the course objectives by Unit:

Unit #	Unit Name	Objectives
1	Class Administration	None.
2	Course Overview	None.
3	ROSS ARH Overview	The student shall be able to: 1. Identify the primary capabilities of ROSS ARH versus ROSS AR. 2. Identify examples of reporting questions that can be answered using ROSS ARH. 3. Identify the effect of ROSS ARH on existing reports. 4. Identify the limitations of ROSS ARH. 5. Differentiate between Archive and History data. 6. Recognize the History query subjects. 7. Differentiate between Tracked and Look Up History query items. 8. Identify the purpose of the Audit Date* and Audit Type* query items.
4	Archive Data Scenarios	9. Convert a current year report into a multi-year report. 10. Create reports using Archive data.
5	Look Up History Data Scenarios	11. Create reports using Look Up History query items.
6	Tracked History Data Scenarios	12. Create reports using Tracked History query items.
7	Student Practice	None.
8	Wrap Up	None.

1.5 Presentation Methods

The course consists of lecture, class discussion, and hands-on practice. The focus of classroom activities is on the creation of reports in Query Studio using the ROSS ARH data package. A test or practice environment of the ROSS application is used to conduct the course.

Instructors:

- Present course material.
- Demonstrate use of the ROSS ARH data package.
- Facilitate class discussions and practice sessions.

The recommended class size is 10 students or less. A single instructor can conduct the course, however at least one additional instructor is recommended.

The following training sequence is used for each course unit involving work in ROSS ARH:

- The Instructor explains, and demonstrates in Query Studio, the ROSS ARH functionality applicable to the unit. Students follow along in Query Studio.
- Instructor and students perform, in Query Studio, the Instructor Scenario(s) for the unit (Appendix C).

The Instructor Scenarios are designed to facilitate demonstrating and practicing specific ROSS ARH concepts and data. The Day 2 Student Practice Scenarios focus on answering more complex reporting

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questions, such as those involving multi-year workload. The Lead Instructor selects scenarios pertinent to the students.

Each scenario presents a reporting need in the form of one or more questions. When appropriate, the steps necessary in ROSS to generate data to support the report are provided (e.g., change the status of a resource, change a resource's name).

Important elements in performing a scenario are the validation and interpretation of report results:

- Validation – The student evaluates whether the results appear reasonable, and match what was expected.
- Interpretation – The student evaluates whether the reporting question was answered, and what other questions could be answered from the report results.

The following training sequence is used for Day 2 Student Practice Scenarios:

- Students work in small groups to 'table-top' the scenario by laying out on paper the steps necessary to complete the scenario, including identifying the following. Instructors assist students as appropriate.
 - The query items, filters, and/or calculations needed on the report.
 - The order in which items are to be added to the report.
 - The expected results of adding each item to the report.
 - How the results will answer the reporting question, and other questions that could be answered from the report results.
- Each student works independently in Query Studio to complete the scenario.

1.6 Student Prerequisites and Responsibilities

Students shall have:

- Been recommended by their Geographic Area Coordinator. Note that each Geographic Area can have a maximum of six ROSS ARH users.
- Been approved by the ROSS Team.
- Successfully completed the 'Query Studio Ad Hoc ROSS Reports' (i.e., ROSS Analytical Reports – Current Year) course conducted by the ROSS Training Team.

Students have the responsibility to:

- Actively participate in class discussions and scenarios.
- Ask for clarification and guidance as appropriate from instructors.
- Maintain an open minded and flexible outlook.
- Take notes on course material as appropriate.
- Complete a Course Evaluation form.

1.7 Instructor Prerequisites and Responsibilities

Instructors shall have:

- Proficiency in the Cognos Query Studio application.
- A solid understanding of the ROSS AR (Current Year) data elements and their relationships.
- A solid understanding of the ROSS ARH data elements and their relationships.
- Successfully completed the Query Studio Ad Hoc ROSS Reports course.

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The lead instructor for the course shall additionally have the following qualifications and skills:

- Taught one ROSS ARH course session under the guidance of a lead instructor.
- Ability to multi-task (working with several students at a time).
- Patience.
- Strong team member.
- Able to accept and adapt to constructive criticism.
- Ability to travel to training locations.

Instructors have the responsibility to:

- Review all instruction materials prior to teaching the course.
- Present course material as assigned by the lead instructor.
- Facilitate class discussions and scenarios.
- Provide clarification and guidance to students as appropriate.
- Communicate problem areas to the lead instructor.
- Know which students they are responsible for, and stay with those students throughout the course.
- Provide feedback to the lead instructor on the progress of their assigned students and on course logistics (e.g., if a particular topic requires clarification; if more time is needed for a particular scenario).
- Ask the lead instructor for clarification on Analytical Reports and Query Studio functionality as appropriate.
- Evaluate student performance during scenarios.
- Ensure all course objectives are covered.

The lead instructor for the course shall additionally have the responsibility to:

- Add students to the ARH Package Security for the environment in which training will be conducted (e.g., PRACTICE).
- Assign the material to be presented by each instructor.
- Resolve problems as identified by instructors.
- Select student practice scenarios pertinent to the students.
- Receive feedback from instructors on the progress of their assigned students and on course logistics (e.g., if a particular topic requires clarification; if more time is needed for a particular scenario).
- Provide clarification on Analytical Reports and Query Studio functionality as requested by instructors.

1.8 Classroom and Equipment Requirements

The classroom shall allow a workspace large enough for the lead instructor to spread out the Instructor Guide and students to spread out their Student Workbooks.

The following equipment is required to conduct the course:

- Instructor Guide.
- PowerPoint slides.
- Projector and projection screen for displaying computer screen and PowerPoint slides.
- Computer for the lead instructor and each student, with Internet access, and access to the ROSS ARH data package.
- Student Workbook for each student.
- Copy of course slides for each student.

1.9 Student Evaluation

This is not a pass/fail course; however students are evaluated on their ability to correctly generate reports using ROSS ARH. Instructors assess student competency during scenarios. This assessment involves observing students as they:

- Plan the steps necessary to answer the scenario's reporting question(s).
- Develop the report.
- Validate and interpret report results.

At the end of the course, instructors provide students feedback on their abilities and recommend to the lead instructor whether the student should be granted ROSS ARH access, or if the student requires additional practice and guidance.

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1.10 Course Schedule

The course takes a combined total of approximately 18 hours (including breaks and practice sessions) to conduct. Assuming a nine hour day, with two 15 minute breaks and a one hour lunch, there are 7.5 hours of actual class time per day (15 total hours of course class time).

Unit #	Unit Name	Topic #	Topic	Lecture & Demo	Student Practice	Total	Total For Day
<i>Day 1</i>							
1	Class Administration	1-1	Class Administration	0:15	n/a	0:15	0:15
2	Course Overview	2-1	Course Overview				
3	ROSS ARH Overview	3-1	ROSS ARH versus ROSS AR	4:00	n/a	4:00	4:15
		3-2	Reporting Questions Answered by ROSS ARH				
		3-3	Standard Historical Reports				
		3-4	Effect of ROSS ARH on Existing Query Studio Reports				
		3-5	Accessing ROSS ARH				
		3-6	ROSS ARH Data Dictionary				
		3-7	Limitations of ROSS ARH				
		3-8	ROSS ARH Data Package: Archive and History Data				
		3-9	History Data: Tracked Query Items				
		3-10	History Data: Look Up Query Items				
		3-11	Calculations				
		3-12	Data Changes and Relationships				
		3-13	Converting a Current Year Report into an Historical Report				
3-14	Running and Building Reports in ROSS ARH						
4	Archive Data Scenarios	4-1	Archive Data Scenarios: # 1: Convert to Multi-Year # 2: Incidents # 3: Requests # 4: Resources	3:15		3:15	7:30

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Unit #	Unit Name	Topic #	Topic	Lecture & Demo	Student Practice	Total	Total For Day
Day 2							
5	Look Up History Data Scenarios	5-1	Look Up History Data Scenarios: # 5: Resources	1:30		1:30	1:30
6	Tracked History Data Scenarios	6-1	Tracked History Data Scenarios: # 6: Requests # 7: Resources	1:30		1:30	3:00
7	Student Practice	7-1	Student Practice	n/a	4:00	4:00	7:00
8	Wrap Up	8-1	Wrap Up	0:30	n/a	0:30	7:30

2 COURSE OUTLINE

The following outline identifies the actions, in sequential order, to be performed by the instructor.

2.1 Unit 1: Class Administration

<input checked="" type="checkbox"/>	Instructor Information and Actions
<input type="checkbox"/>	1. Display Slide ROSSARH-SL-1 (ROSS ARH).
<input type="checkbox"/>	2. Perform the following: a. Welcome students. b. Introduce instructors. c. Have students introduce themselves. d. Pass around student sign-in sheet.

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<input checked="" type="checkbox"/>	Instructor Information and Actions
<input type="checkbox"/>	<p>3. Briefly discuss the following:</p> <ul style="list-style-type: none">a. Transportation needs (e.g., who needs rides to lunch, hotel, etc.) b. Facilities, including restrooms, drink and snack locations, and emergency exits. c. Class timing: Daily start and stop, breaks, and lunch. d. Telephone number where emergency messages can be left. e. Remind students to clean up their area at the end of class.

2.2 Unit 2: Course Overview

<input checked="" type="checkbox"/>	Instructor Information and Actions
<input type="checkbox"/>	1. Display and discuss Slide ROSSARH-SL-2 (Course Purpose).
<input type="checkbox"/>	2. Display and discuss Slides ROSSARH-SL-3 and ROSSARH-SL-4 (Course Objectives).
<input type="checkbox"/>	3. Briefly discuss the Course Description (section 1.3 of this document). Key point: Course uses an incremental approach for learning ROSS ARH. Students progress through the following topics of increasing complexity: a. Building multi-year reports using Archive data. b. Building reports using Look Up History query items. c. Building reports using Tracked History query items.

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<input checked="" type="checkbox"/>	Instructor Information and Actions
<input type="checkbox"/>	<p>4. Briefly discuss the Presentation Methods (section 1.5 of this document). Key points:</p> <ul style="list-style-type: none">a. Course consists of lecture, class discussion, and hands-on practice. b. Focus of classroom activities is on creation of reports in Query Studio using the ROSS ARH data package. c. Day 1: Instructor and students build reports together. d. Day 2: Students work in small groups to 'table-top' report scenarios, and then each student independently builds the report.
<input type="checkbox"/>	<p>5. Briefly discuss the Student Responsibilities (section 1.6 of this document). Key points:</p> <ul style="list-style-type: none">a. Actively participate in class discussions and scenarios. b. Ask for clarification and guidance as appropriate from instructors.

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<input checked="" type="checkbox"/>	Instructor Information and Actions
	<p>c. Maintain an open minded and flexible outlook.</p> <p>d. Take notes on course material as appropriate.</p> <p>e. Complete a Course Evaluation form.</p>
<input type="checkbox"/>	<p>6. Briefly discuss the Student Evaluation (section 1.9 of this document). Key points:</p> <p>a. Instructors assess student competency during scenarios by observing students as they:</p> <ul style="list-style-type: none">• Plan the steps necessary to answer the scenario's reporting question(s). • Develop the report. • Validate and interpret report results.

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<input checked="" type="checkbox"/>	Instructor Information and Actions
	b. At end of the course, instructors recommend whether the student should be granted ROSS ARH access.
<input type="checkbox"/>	7. Briefly discuss the Course Schedule (section 1.10 of this document). Key points: a. Start with overview of ROSS ARH. b. Begin building reports of increasing complexity using: Archive data, and then Look Up History data, and then Tracked History data.
<input type="checkbox"/>	8. Briefly discuss the Student Workbook .
<input type="checkbox"/>	9. Elicit and record student expectations , and ensure each expectation is met during the course (if within the course scope).

2.3 Unit 3: ROSS ARH Overview

<input checked="" type="checkbox"/>	Instructor Information and Actions
2.3.1 Topic 3–1: ROSS ARH versus ROSS AR	
<input type="checkbox"/>	1. ROSS ARH allows access to: a. Archive Data (i.e., data from past years). b. History Data (i.e., data for which changes over time are tracked).
<input type="checkbox"/>	2. ROSS ARH also contains new calculated query items (e.g., Days on Assignment, Days Committed, and Request Time to Fill) which provide a standardized definition and calculation of data values critical to the business.
2.3.2 Topic 3–2: Reporting Questions Answered by ROSS ARH	
<input type="checkbox"/>	1. ROSS ARH provides archive and tracked data in support of logistical and planning decision-making. ROSS ARH can be used to answer reporting questions such as the following.

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<input checked="" type="checkbox"/>	Instructor Information and Actions
<input type="checkbox"/>	2. From a Management perspective: a. What incidents occurred over the past three years, by state and year?
<input type="checkbox"/>	3. From the Resource perspective: a. What was my home dispatch at the time of assignment? b. What was the resource's availability/status at a certain date and time after the release of 2.14 on 06/21/11? c. What is a resource's history of qualification status changes over the past 18 months? d. A resource's name changed a year ago. What is the assignment history of the resource over the past two years?
<input type="checkbox"/>	4. From the Dispatch perspective: a. What is the assignment history of a resource assigned while under my dispatch, regardless of their current dispatch? For example: A helicopter serves ½ year on a contract with one dispatch and the second ½ of the year on a contract at another dispatch. How many times did the helicopter go on assignment for each dispatch during the year?

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<input checked="" type="checkbox"/>	Instructor Information and Actions
	b. A resource has been on three consecutive assignments. What is the resource's Days Currently Committed?
2.3.3 Topic 3-3: Standard Historical Reports	
<input type="checkbox"/>	<p>1. The following historical versions of the Resource Order Form are available in the Standard Reports (Historical) folder:</p> <ul style="list-style-type: none">a. Resource Order Form (Historical) – Can be generated for requests on current or prior year incidents.b. NFES Resource Order Form (Historical) – Can be generated for NFES requests on current or prior year incidents. Provides inventory and shipping information used by the cache business system to issue and deliver supplies to the incident.c. Resource Order Form by Dispatch Provider (Historical) – Can be generated for requests on current or prior year incidents. If the report contains data from multiple incidents, each incident is separated by a page break.
2.3.4 Topic 3-4: Effect of ROSS ARH on Existing Query Studio Reports	
<input type="checkbox"/>	1. An existing current-year report can be converted to include archive and tracked data (the process is discussed later).

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<input checked="" type="checkbox"/>	Instructor Information and Actions																																																																																																								
<input type="checkbox"/>	2. Most existing reports developed using the ROSS AR (Current Year) data package can be run against the ROSS ARH data package with few or no changes.																																																																																																								
<input type="checkbox"/>	3. <u>However, if a particular report item does not exist in the ARH package, the column is dropped from the report.</u>																																																																																																								
<input type="checkbox"/>	<p>4. The following is an example of the Incident List by Agency Host report after being run against the ROSS ARH data package; the report now contains data from multiple years.</p> <p align="center">AGENCY INCIDENT LIST</p> <p align="center">Sorted by Agency Host, Incident Host and Calendar Year</p> <p> Inc Agency Org Name\Inc Host Org Name (Inc) AND Incident Calendar Year: Between 2009 and 2010</p> <hr/> <p>Incident Agency: U.S. Forest Service</p> <hr/> <p>Incident Host: Columbia River Gorge National Scenic Area</p> <hr/> <p>Incident Calendar Year: 2009</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Inc Number</th> <th>Inc Name</th> <th>Inc Disp</th> <th>Inc Type</th> <th>Initial Date</th> <th>Inc Status</th> <th>Lat</th> <th>Long</th> </tr> </thead> <tbody> <tr><td>OR-CGF-000001</td><td>ABCD MISC. FY 09 CGF</td><td>WA-CCC</td><td>Fire - Wildfire</td><td>5/22/09</td><td>Closed</td><td>45 42 36 N</td><td>121 30 36 W</td></tr> <tr><td>OR-CGF-000003</td><td>ABCD MISC. FY 09 CGF</td><td>WA-CCC</td><td>Fire - Wildfire</td><td>5/22/09</td><td>Closed</td><td>45 42 36 N</td><td>121 30 36 W</td></tr> <tr><td>OR-CGF-000007</td><td>HAYSTACK</td><td>WA-CCC</td><td>Fire - Wildfire</td><td>5/24/09</td><td>Closed</td><td>45 40 14N</td><td>120 56 18W</td></tr> <tr><td>OR-CGF-000014</td><td>ENGINE BOSS FILL-IN</td><td>WA-CCC</td><td>Fire - Wildfire</td><td>6/29/09</td><td>Closed</td><td>45 42 36 N</td><td>121 30 36 W</td></tr> <tr><td>OR-CGF-000018</td><td>4TH OF JULY STAFFING</td><td>WA-CCC</td><td>Fire - Wildfire</td><td>6/29/09</td><td>Closed</td><td>45 42 36 N</td><td>121 30 36 W</td></tr> <tr><td>OR-CGF-000047</td><td>AVERY</td><td>WA-CCC</td><td>Fire - Wildfire</td><td>8/13/09</td><td>Closed</td><td>45 39 53 N</td><td>120 59 7 W</td></tr> <tr><td>OR-CGF-000053</td><td>MICROWAVE</td><td>WA-CCC</td><td>Fire - Wildfire</td><td>8/27/09</td><td>Closed</td><td>45 40 59 N</td><td>121 26 26 W</td></tr> </tbody> </table> <hr/> <p>Incident Calendar Year: 2010</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Inc Number</th> <th>Inc Name</th> <th>Inc Disp</th> <th>Inc Type</th> <th>Initial Date</th> <th>Inc Status</th> <th>Lat</th> <th>Long</th> </tr> </thead> <tbody> <tr><td>OR-CGF-000003</td><td>ABCD MISC CGF</td><td>WA-CCC</td><td>Fire - Wildfire</td><td>6/27/10</td><td>Closed</td><td>45 42 36 N</td><td>121 30 36 W</td></tr> <tr><td>OR-CGF-000029</td><td>SANDY RIVER DELTA RX</td><td>WA-CCC</td><td>Fire - Prescribed</td><td>5/12/10</td><td>Closed</td><td>45 32 20N</td><td>122 23 3W</td></tr> <tr><td>OR-CGF-000071</td><td>GORGE 2010 4TH OF JULY</td><td>WA-CCC</td><td>Fire - Other</td><td>6/23/10</td><td>Closed</td><td>45 42 36 N</td><td>121 30 36 W</td></tr> <tr><td>OR-CGF-000120</td><td>DOG MOUNTAIN</td><td>WA-CCC</td><td>Fire - Wildfire</td><td>7/13/10</td><td>Closed</td><td>45 43 13 N</td><td>121 42 14 W</td></tr> </tbody> </table>	Inc Number	Inc Name	Inc Disp	Inc Type	Initial Date	Inc Status	Lat	Long	OR-CGF-000001	ABCD MISC. FY 09 CGF	WA-CCC	Fire - Wildfire	5/22/09	Closed	45 42 36 N	121 30 36 W	OR-CGF-000003	ABCD MISC. FY 09 CGF	WA-CCC	Fire - Wildfire	5/22/09	Closed	45 42 36 N	121 30 36 W	OR-CGF-000007	HAYSTACK	WA-CCC	Fire - Wildfire	5/24/09	Closed	45 40 14N	120 56 18W	OR-CGF-000014	ENGINE BOSS FILL-IN	WA-CCC	Fire - Wildfire	6/29/09	Closed	45 42 36 N	121 30 36 W	OR-CGF-000018	4TH OF JULY STAFFING	WA-CCC	Fire - Wildfire	6/29/09	Closed	45 42 36 N	121 30 36 W	OR-CGF-000047	AVERY	WA-CCC	Fire - Wildfire	8/13/09	Closed	45 39 53 N	120 59 7 W	OR-CGF-000053	MICROWAVE	WA-CCC	Fire - Wildfire	8/27/09	Closed	45 40 59 N	121 26 26 W	Inc Number	Inc Name	Inc Disp	Inc Type	Initial Date	Inc Status	Lat	Long	OR-CGF-000003	ABCD MISC CGF	WA-CCC	Fire - Wildfire	6/27/10	Closed	45 42 36 N	121 30 36 W	OR-CGF-000029	SANDY RIVER DELTA RX	WA-CCC	Fire - Prescribed	5/12/10	Closed	45 32 20N	122 23 3W	OR-CGF-000071	GORGE 2010 4TH OF JULY	WA-CCC	Fire - Other	6/23/10	Closed	45 42 36 N	121 30 36 W	OR-CGF-000120	DOG MOUNTAIN	WA-CCC	Fire - Wildfire	7/13/10	Closed	45 43 13 N	121 42 14 W
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<input checked="" type="checkbox"/>	Instructor Information and Actions
2.3.5 Topic 3-5: Accessing ROSS ARH	
<input type="checkbox"/>	1. If you are <u>running</u> an existing historical report, open it from the User Community folder or your personal folder in Cognos Connection as usual.
<input type="checkbox"/>	2. If you are <u>developing</u> a new historical report, click on the ROSS ARH data package link in Query Studio.
2.3.6 Topic 3-6: ROSS ARH Data Dictionary	
<input type="checkbox"/>	1. A separate ROSS ARH Data Dictionary is available via the Analytical Reports link on the ROSS home page.
2.3.7 Topic 3-7: Limitations of ROSS ARH	
<input type="checkbox"/>	1. Archive data is currently limited to 2009 to Current Year. Data from years prior to 2009 will be added as time and resources permit.
<input type="checkbox"/>	2. Tracking of data attributes just began with ROSS Release 2.14 (06/21/11). Note however that some out-year values do exist for tracked data attributes by virtue of the 2009 and 2010 annual archive data being accessible in ROSS ARH (i.e., values are available for the point-in-time the data was archived).

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<input checked="" type="checkbox"/>	Instructor Information and Actions
<input type="checkbox"/>	3. Only a subset of data attributes, as selected by the business, are 'tracked' (i.e., record created each time the item's value changes).
2.3.8 Topic 3-8: ROSS ARH Data Package: Archive and History Data	
<input type="checkbox"/>	1. The majority of query items available in the ROSS AR (Current Year) data package are also available in the ROSS ARH data package.
<input type="checkbox"/>	2. The same basic structure of Independent and Integrated Query Subject Areas exists, however minor re-grouping, renaming, and/or revisions were necessary to some query subjects, query items, and pre-defined filters.
<input type="checkbox"/>	3. Examples of changes include: a. New folders were added to query subjects to help organize the query items. b. Query item names were updated to meet consistency standards (e.g., Req Fin Code Owned by Org Abbreviation was changed to Req Fin Code Owned by Org Abbrev).
<input type="checkbox"/>	4. Report transformations were run against the User Community reports to update the reports with these, and other necessary, changes.

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<input checked="" type="checkbox"/>	Instructor Information and Actions
<input type="checkbox"/>	<p>5. ARCHIVE Data:</p> <p>a. The majority of ROSS ARH data package query items function the same way as their non-historical counterparts in ROSS AR (Current Year); the primary difference is they simply <u>have access to more years of data</u>.</p> <p>b. The 'archive data' query items reside in the query subjects that do <u>not</u> contain the word 'History' (e.g., Resources > Resource Status versus Resources > Resource Status History).</p>
<input type="checkbox"/>	<p>6. HISTORY Data:</p> <p>a. The ROSS ARH query items for which <u>changes over time are tracked</u> reside in the query subjects that contain the word 'History' (e.g., Resources > Resource Status History versus Resources > Resource Status).</p> <p>b. Each History query item is designated with either an '*' (asterisk) or '^' (up arrow) symbol to indicate whether changes to the attribute are tracked, or whether the attribute's current value is looked up, respectively.</p>

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<input checked="" type="checkbox"/>	Instructor Information and Actions
	<p>c. <u>There is one exception to these conventions – the following query items reside in the Requests > Assignment query subject (which is not a 'History' subject area) and are not designated with a symbol:</u></p> <ul style="list-style-type: none">• Res Qual Status – Assign (Look Up query item).• Res Qual Status Code – Assign (Tracked query item). <p>d. Also note the following with respect to the Res Qual Status – Assign query items:</p> <ul style="list-style-type: none">• For assignments in 2009 and 2010, the data reflects the qualification status at the time of the archive.• For assignments in 2011 prior to the 6/21/11 deployment of ROSS, the data reflects the qualification status at the time of the deployment of ROSS ARH. <p>e. Appendix A identifies the History query items (Tracked and Look Up) in ROSS ARH.</p>

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<input checked="" type="checkbox"/>	Instructor Information and Actions
2.3.9 Topic 3–9: History Data: Tracked Query Items	
<input type="checkbox"/>	1. Tracked (*) – From ROSS Release 2.14 (06/21/11) onward, a transactional record is created each time the value of a tracked query item changes.
<input type="checkbox"/>	2. <u>ROSS ARH specifically stores the attribute's previous values in the database.</u> An example is Res Name* (from Resources > Resources History).
<input type="checkbox"/>	3. These query items display the attribute's value as it existed when the transaction was recorded.
<input type="checkbox"/>	4. <u>Note that if the value of multiple tracked query items changes at the same time, the changes are captured in a single transactional record, and only a single row is added to the report.</u> For example, changing a resource's Card Expiration Date* and Quickfill Flag* values in ROSS generates a single change record.

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<input checked="" type="checkbox"/>	Instructor Information and Actions								
<input type="checkbox"/>	<p>5. To illustrate a tracked query item, assume:</p> <ul style="list-style-type: none">a. A resource's name was originally Quincy Jay Jones.b. The resource's name was changed to Quincy Jay Jones Smith.c. The resource's name was changed to Quincy Jay Smith.								
<input type="checkbox"/>	<p>6. Changes to a resource's name are tracked. Therefore, if the Res Name* query item is added to a report:</p> <table border="1" data-bbox="709 591 1423 779"><thead><tr><th>Res Name*</th><th>Res Disp Org Name^</th></tr></thead><tbody><tr><td>Jones, Quincy Jay</td><td>Craig Interagency Dispatch Center</td></tr><tr><td>Jones Smith, Quincy Jay</td><td>Craig Interagency Dispatch Center</td></tr><tr><td>Smith, Quincy Jay</td><td>Craig Interagency Dispatch Center</td></tr></tbody></table> <ul style="list-style-type: none">a. A row displays for the initial record, with an attribute value of Quincy Jay Jones.b. A row displays for the first name change, with an attribute value of Quincy Jay Jones Smith.c. A row displays for the second name change, with an attribute value of Quincy Jay Smith.	Res Name*	Res Disp Org Name^	Jones, Quincy Jay	Craig Interagency Dispatch Center	Jones Smith, Quincy Jay	Craig Interagency Dispatch Center	Smith, Quincy Jay	Craig Interagency Dispatch Center
Res Name*	Res Disp Org Name^								
Jones, Quincy Jay	Craig Interagency Dispatch Center								
Jones Smith, Quincy Jay	Craig Interagency Dispatch Center								
Smith, Quincy Jay	Craig Interagency Dispatch Center								

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<input checked="" type="checkbox"/>	Instructor Information and Actions
<input type="checkbox"/>	<p>7. Audit Date* and Audit Type* Tracked History Query Items:</p> <p>a. In addition to the tracked query items identified in Appendix A, the Audit Date* and Audit Type* tracked query items display within the History query subjects.</p> <p>b. These query items can be added to a report to provide information about when and why a transactional record was created.</p> <p>c. Each History query subject contains a set of these query items; use the specific Audit Date* and Audit Type* from the query subject you are working with.</p>
<input type="checkbox"/>	<p>8. The following values can display in the Audit Type* column:</p> <p>a. INSERT: The value was entered into ROSS.</p> <p>b. UPDATE: The value was updated in ROSS.</p>

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<input checked="" type="checkbox"/>	Instructor Information and Actions												
	<p>c. DELETE: The value was deleted from ROSS.</p> <p>d. INIT: The attribute's initial value when ROSS 2.14 was deployed (i.e., 06/21/11 – when changes to the attribute first started being tracked).</p> <p>e. ARCH09: The attribute's value at the point-in-time the 2009 ROSS annual archive was performed.</p> <p>f. ARCH10: The attribute's value at the point-in-time the 2010 ROSS annual archive was performed.</p>												
<input type="checkbox"/>	<p>9. The following graphic depicts the Audit Date* and Audit Type* query items added to the Quincy Jay Jones/Smith example:</p> <table border="1" data-bbox="699 995 1451 1179"><thead><tr><th>Res Name*</th><th>Audit Date*[△]</th><th>Audit Type*</th></tr></thead><tbody><tr><td>Jones, Quincy Jay</td><td>Apr 6, 2012 4:11:15 PM</td><td>INSERT</td></tr><tr><td>Jones Smith, Quincy Jay</td><td>Apr 6, 2012 4:13:07 PM</td><td>UPDATE</td></tr><tr><td>Smith, Quincy Jay</td><td>Apr 6, 2012 4:21:18 PM</td><td>UPDATE</td></tr></tbody></table>	Res Name*	Audit Date* [△]	Audit Type*	Jones, Quincy Jay	Apr 6, 2012 4:11:15 PM	INSERT	Jones Smith, Quincy Jay	Apr 6, 2012 4:13:07 PM	UPDATE	Smith, Quincy Jay	Apr 6, 2012 4:21:18 PM	UPDATE
Res Name*	Audit Date* [△]	Audit Type*											
Jones, Quincy Jay	Apr 6, 2012 4:11:15 PM	INSERT											
Jones Smith, Quincy Jay	Apr 6, 2012 4:13:07 PM	UPDATE											
Smith, Quincy Jay	Apr 6, 2012 4:21:18 PM	UPDATE											

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<input checked="" type="checkbox"/>	Instructor Information and Actions															
<input type="checkbox"/>	<p>10. Note that the Audit Date* and Audit Type* columns reflect changes to <u>any of the query items within the query subject</u>. <u>The Audit Date* and Audit Type* values might not correspond to the columns currently displayed on a report</u> – they may be associated with a change to another query item, from the same query subject, that has not been added to the report.</p>															
<input type="checkbox"/>	<p>11. For example, consider the following report result for Quincy Jay Smith:</p> <table border="1" data-bbox="695 651 1444 883" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="background-color: #e1eef6;">Res Name*</th> <th style="background-color: #e1eef6;">Audit Date*[△]</th> <th style="background-color: #e1eef6;">Audit Type*</th> </tr> </thead> <tbody> <tr> <td>Jones, Quincy Jay</td> <td>Apr 6, 2012 4:11:15 PM</td> <td>INSERT</td> </tr> <tr> <td>Jones Smith, Quincy Jay</td> <td>Apr 6, 2012 4:13:07 PM</td> <td>UPDATE</td> </tr> <tr> <td>Smith, Quincy Jay</td> <td>Apr 6, 2012 4:21:18 PM</td> <td>UPDATE</td> </tr> <tr> <td>Smith, Quincy Jay</td> <td>Apr 6, 2012 4:35:38 PM</td> <td>UPDATE</td> </tr> </tbody> </table>	Res Name*	Audit Date* [△]	Audit Type*	Jones, Quincy Jay	Apr 6, 2012 4:11:15 PM	INSERT	Jones Smith, Quincy Jay	Apr 6, 2012 4:13:07 PM	UPDATE	Smith, Quincy Jay	Apr 6, 2012 4:21:18 PM	UPDATE	Smith, Quincy Jay	Apr 6, 2012 4:35:38 PM	UPDATE
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Smith, Quincy Jay	Apr 6, 2012 4:21:18 PM	UPDATE														
Smith, Quincy Jay	Apr 6, 2012 4:35:38 PM	UPDATE														
<input type="checkbox"/>	<p>12. The fourth row represents an update to one of Quincy Jay Smith's tracked attributes from the Resources History query subject. But since the Res Name* value did not change, the Audit Date* and Audit Type* values must correspond to a change in an attribute not currently displayed on the report.</p>															

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<input checked="" type="checkbox"/>	Instructor Information and Actions																									
<input type="checkbox"/>	<p>13. Only after adding the Res Disp Org ID* query item to the report is it revealed that the Audit Date* and Audit Type* values in the fourth row correspond to a change in the resource's owner.</p> <table border="1"> <thead> <tr> <th>Res Name*</th> <th>Res Disp Org ID*</th> <th>Res Disp Org Name^</th> <th>Audit Date*^</th> <th>Audit Type*</th> </tr> </thead> <tbody> <tr> <td>Jones, Quincy Jay</td> <td>7</td> <td>Craig Interagency Dispatch Center</td> <td>Apr 6, 2012 4:11:15 PM</td> <td>INSERT</td> </tr> <tr> <td>Jones Smith, Quincy Jay</td> <td>7</td> <td>Craig Interagency Dispatch Center</td> <td>Apr 6, 2012 4:13:07 PM</td> <td>UPDATE</td> </tr> <tr> <td>Smith, Quincy Jay</td> <td>7</td> <td>Craig Interagency Dispatch Center</td> <td>Apr 6, 2012 4:21:18 PM</td> <td>UPDATE</td> </tr> <tr> <td>Smith, Quincy Jay</td> <td>8</td> <td>Pueblo Interagency Dispatch Center</td> <td>Apr 6, 2012 4:35:38 PM</td> <td>UPDATE</td> </tr> </tbody> </table>	Res Name*	Res Disp Org ID*	Res Disp Org Name^	Audit Date*^	Audit Type*	Jones, Quincy Jay	7	Craig Interagency Dispatch Center	Apr 6, 2012 4:11:15 PM	INSERT	Jones Smith, Quincy Jay	7	Craig Interagency Dispatch Center	Apr 6, 2012 4:13:07 PM	UPDATE	Smith, Quincy Jay	7	Craig Interagency Dispatch Center	Apr 6, 2012 4:21:18 PM	UPDATE	Smith, Quincy Jay	8	Pueblo Interagency Dispatch Center	Apr 6, 2012 4:35:38 PM	UPDATE
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Smith, Quincy Jay	8	Pueblo Interagency Dispatch Center	Apr 6, 2012 4:35:38 PM	UPDATE																						
2.3.10 Topic 3–10: History Data: Look Up Query Items																										
<input type="checkbox"/>	<p>1. Look Up (^) – These query items provide the current value of attributes related to the tracked query items.</p>																									
<input type="checkbox"/>	<p>2. When the value of a tracked query item changes, a unique ID is assigned.</p>																									

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<input checked="" type="checkbox"/>	Instructor Information and Actions												
<input type="checkbox"/>	3. When a Look Up query item is added to a report, ROSS ARH looks up the value of the attribute using the ID (think of “up = look up”).												
<input type="checkbox"/>	4. An example is Res Disp Org Name^ (from Resources > Resources History > Organizations).												
<input type="checkbox"/>	5. <u>Look Up query items can only display the attribute’s current value, since the value that existed at the time of the transaction was not stored.</u>												
<input type="checkbox"/>	6. Continuing the Quincy Jay Smith example, assume Quincy Jay Smith’s home dispatch was originally Craig Interagency Dispatch Center (with a Disp ID of 7, which is tracked). <table border="1" data-bbox="296 1094 1854 1182" style="margin: 10px auto;"> <thead> <tr> <th>Res Name*</th> <th>Res Disp Org ID*</th> <th>Res Disp Org Name^</th> <th>Res Prov Name^</th> <th>Audit Date*^</th> <th>Audit Type*</th> </tr> </thead> <tbody> <tr> <td>Smith, Quincy Jay</td> <td>7</td> <td>Craig Interagency Dispatch Center</td> <td>Craig Interagency Dispatch Center</td> <td>Apr 6, 2012 4:21:18 PM</td> <td>UPDATE</td> </tr> </tbody> </table>	Res Name*	Res Disp Org ID*	Res Disp Org Name^	Res Prov Name^	Audit Date*^	Audit Type*	Smith, Quincy Jay	7	Craig Interagency Dispatch Center	Craig Interagency Dispatch Center	Apr 6, 2012 4:21:18 PM	UPDATE
Res Name*	Res Disp Org ID*	Res Disp Org Name^	Res Prov Name^	Audit Date*^	Audit Type*								
Smith, Quincy Jay	7	Craig Interagency Dispatch Center	Craig Interagency Dispatch Center	Apr 6, 2012 4:21:18 PM	UPDATE								

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<input checked="" type="checkbox"/>	Instructor Information and Actions																								
<input type="checkbox"/>	<p>7. Quincy Jay was transferred to Pueblo Interagency Dispatch Center (with a Disp ID of 8).</p> <table border="1"> <thead> <tr> <th>Res Name*</th> <th>Res Disp Org ID*</th> <th>Res Disp Org Name^</th> <th>Res Prov Name^</th> <th>Audit Date*^</th> <th>Audit Type*</th> </tr> </thead> <tbody> <tr> <td>Smith, Quincy Jay</td> <td>7</td> <td>Craig Interagency Dispatch Center</td> <td>Craig Interagency Dispatch Center</td> <td>Apr 6, 2012 4:21:18 PM</td> <td>UPDATE</td> </tr> <tr> <td>Smith, Quincy Jay</td> <td>8</td> <td>Pueblo Interagency Dispatch Center</td> <td></td> <td>Apr 6, 2012 4:35:38 PM</td> <td>UPDATE</td> </tr> <tr> <td>Smith, Quincy Jay</td> <td>8</td> <td>Pueblo Interagency Dispatch Center</td> <td>Pueblo Interagency Dispatch Center</td> <td>Apr 6, 2012 4:49:36 PM</td> <td>UPDATE</td> </tr> </tbody> </table>	Res Name*	Res Disp Org ID*	Res Disp Org Name^	Res Prov Name^	Audit Date*^	Audit Type*	Smith, Quincy Jay	7	Craig Interagency Dispatch Center	Craig Interagency Dispatch Center	Apr 6, 2012 4:21:18 PM	UPDATE	Smith, Quincy Jay	8	Pueblo Interagency Dispatch Center		Apr 6, 2012 4:35:38 PM	UPDATE	Smith, Quincy Jay	8	Pueblo Interagency Dispatch Center	Pueblo Interagency Dispatch Center	Apr 6, 2012 4:49:36 PM	UPDATE
Res Name*	Res Disp Org ID*	Res Disp Org Name^	Res Prov Name^	Audit Date*^	Audit Type*																				
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Smith, Quincy Jay	8	Pueblo Interagency Dispatch Center	Pueblo Interagency Dispatch Center	Apr 6, 2012 4:49:36 PM	UPDATE																				
<input type="checkbox"/>	<p>8. Note that when transferring a resource, the provider is removed from the resource – that is why Res Prov Name^ is blank in the second row. After the transfer was completed and Pueblo Interagency Dispatch Center was designated as the resource’s provider, this field re-populated (in the third row).</p>																								
<input type="checkbox"/>	<p>9. The name of Pueblo Interagency Dispatch Center was changed to Southern Colorado Dispatch Center.</p> <table border="1"> <thead> <tr> <th>Res Name*</th> <th>Res Disp Org ID*</th> <th>Res Disp Org Name^</th> <th>Res Prov Name^</th> <th>Audit Date*^</th> <th>Audit Type*</th> </tr> </thead> <tbody> <tr> <td>Smith, Quincy Jay</td> <td>7</td> <td>Craig Interagency Dispatch Center</td> <td>Craig Interagency Dispatch Center</td> <td>Apr 6, 2012 4:21:18 PM</td> <td>UPDATE</td> </tr> <tr> <td>Smith, Quincy Jay</td> <td>8</td> <td>Southern Colorado Dispatch Center</td> <td></td> <td>Apr 6, 2012 4:35:38 PM</td> <td>UPDATE</td> </tr> <tr> <td>Smith, Quincy Jay</td> <td>8</td> <td>Southern Colorado Dispatch Center</td> <td>Southern Colorado Dispatch Center</td> <td>Apr 6, 2012 4:49:36 PM</td> <td>UPDATE</td> </tr> </tbody> </table> <p>a. Since only the ID associated with the dispatch (i.e., 8) is being tracked, but not the name, the current value of the name associated with ID 8 displays (i.e., Southern Colorado Dispatch Center).</p>	Res Name*	Res Disp Org ID*	Res Disp Org Name^	Res Prov Name^	Audit Date*^	Audit Type*	Smith, Quincy Jay	7	Craig Interagency Dispatch Center	Craig Interagency Dispatch Center	Apr 6, 2012 4:21:18 PM	UPDATE	Smith, Quincy Jay	8	Southern Colorado Dispatch Center		Apr 6, 2012 4:35:38 PM	UPDATE	Smith, Quincy Jay	8	Southern Colorado Dispatch Center	Southern Colorado Dispatch Center	Apr 6, 2012 4:49:36 PM	UPDATE
Res Name*	Res Disp Org ID*	Res Disp Org Name^	Res Prov Name^	Audit Date*^	Audit Type*																				
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<input checked="" type="checkbox"/>	Instructor Information and Actions
	<p>b. Note that since dispatch name changes are not tracked, a transactional record was not created for the name change, and a row was not added to the report.</p>
2.3.11 Topic 3–11: Calculations	
<input type="checkbox"/>	1. Calculations are grouped within 'Calculations' folders.
<input type="checkbox"/>	2. Appendix B identifies the pre-defined calculation query items available in the Integrated Subject Areas of the ROSS ARH data package.
<input type="checkbox"/>	3. The Resource calculations are based on the following assumptions.
<input type="checkbox"/>	4. Initial Assignment – A resource's first assignment made from an unassigned state OR the first assignment made when the resource status is Reserved. If the first assignment is to a preposition incident, the preposition incident continues to be the resource's initial assignment in each of the following scenarios: a. The resource has never left the preposition incident (e.g. no action taken).

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<input checked="" type="checkbox"/>	Instructor Information and Actions
	<ul style="list-style-type: none">b. The resource was subsequently assigned to a local non-preposition incident. c. The resource was subsequently assigned to a non-local non-preposition incident and set as release back to the preposition.
<input type="checkbox"/>	<p>5. Committed Resource – A resource with one of the following statuses:</p> <ul style="list-style-type: none">a. Mob En Route.b. At Incident.c. Tentatively Released.d. Released At Incident.e. Reassigned At Incident.f. Available or Unavailable on a preposition incident.
<input type="checkbox"/>	<p>6. Resource Commitment Day – If a resource is committed for any portion of a day, that day is considered to be one of the resource's commitment days.</p>

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<input checked="" type="checkbox"/>	Instructor Information and Actions																																																
<input type="checkbox"/>	<p>7. Commitment Start Date – Set to the Mob ETD (GMT) for the initial assignment that changes the resource from an uncommitted to a committed status. The value will be set when the Mob ETD passes. The commitment start date will remain set to that value until the resource returns to an uncommitted status, at which time the value will be set to null. The following table details the expected impacts of the various resource statuses on the start date:</p> <table border="1"> <thead> <tr> <th>Resource Status</th> <th>Is Preposition</th> <th>Commitment Start Date</th> </tr> </thead> <tbody> <tr> <td>RS [Reserved]</td> <td align="center">Yes</td> <td>No change (may or may not already have a value)</td> </tr> <tr> <td>MI [Mob En Route]</td> <td align="center">Yes</td> <td>If null, then set to Mob ETD</td> </tr> <tr> <td>AV [Available] Note: resource will go to AV status when it arrives at the Prepo Incident</td> <td align="center">Yes</td> <td>If null, then set to Mob ETA (which would be the same value as Mob ETD)</td> </tr> <tr> <td>DE [Demob En Route]</td> <td align="center">Yes</td> <td>If the resource is released to the preposition, then no change, otherwise set to null</td> </tr> <tr> <td>Any other status</td> <td align="center">Yes</td> <td>Should already have a value (no change)</td> </tr> <tr> <td>AV [Available]</td> <td align="center">No</td> <td>Null</td> </tr> <tr> <td>RS [Reserved]</td> <td align="center">No</td> <td>Null</td> </tr> <tr> <td>DE [Demob En Route]</td> <td align="center">No</td> <td>Null</td> </tr> <tr> <td>RT [Returned from Assignment]</td> <td align="center">No</td> <td>Null</td> </tr> <tr> <td>MI [Mob En Route]</td> <td align="center">No</td> <td>If null, then set to Mob ETD</td> </tr> <tr> <td>AI [At Incident]</td> <td align="center">No</td> <td>If null, then set to Mob ETA (which would be the same value as Mob ETD)</td> </tr> <tr> <td>RL [Released (At Incident)]</td> <td align="center">No</td> <td>Should already have a value (no change)</td> </tr> <tr> <td>TR [Tentative Release]</td> <td align="center">No</td> <td>Should already have a value (no change)</td> </tr> <tr> <td>RA [Reassigned (At Incident)]</td> <td align="center">No</td> <td>Should already have a value (no change)</td> </tr> <tr> <td>Any other status (NS or any U status)</td> <td align="center">No</td> <td>Null</td> </tr> </tbody> </table>	Resource Status	Is Preposition	Commitment Start Date	RS [Reserved]	Yes	No change (may or may not already have a value)	MI [Mob En Route]	Yes	If null, then set to Mob ETD	AV [Available] Note: resource will go to AV status when it arrives at the Prepo Incident	Yes	If null, then set to Mob ETA (which would be the same value as Mob ETD)	DE [Demob En Route]	Yes	If the resource is released to the preposition, then no change, otherwise set to null	Any other status	Yes	Should already have a value (no change)	AV [Available]	No	Null	RS [Reserved]	No	Null	DE [Demob En Route]	No	Null	RT [Returned from Assignment]	No	Null	MI [Mob En Route]	No	If null, then set to Mob ETD	AI [At Incident]	No	If null, then set to Mob ETA (which would be the same value as Mob ETD)	RL [Released (At Incident)]	No	Should already have a value (no change)	TR [Tentative Release]	No	Should already have a value (no change)	RA [Reassigned (At Incident)]	No	Should already have a value (no change)	Any other status (NS or any U status)	No	Null
Resource Status	Is Preposition	Commitment Start Date																																															
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<input checked="" type="checkbox"/>	Instructor Information and Actions																																																
<input type="checkbox"/>	<p>8. Commitment Start Date Excluding Initial Travel – Begins with the Mob ETA of the assignment that changes the resource from an uncommitted to a committed status. The commitment start date excluding initial travel will remain set to that value until the resource returns to an uncommitted status, at which time the value will be set to null. The following table details the expected impacts of the various resource statuses on the start date:</p> <table border="1"> <thead> <tr> <th>Resource Status</th> <th>Is Preposition</th> <th>Commitment Start Date Excluding Initial Travel</th> </tr> </thead> <tbody> <tr> <td>RS [Reserved]</td> <td align="center">Yes</td> <td>No change (may or may not already have a value)</td> </tr> <tr> <td>MI [Mob En Route]</td> <td align="center">Yes</td> <td>No change (may or may not already have a value)</td> </tr> <tr> <td>AV [Available] Note: resource will go to AV status when it arrives at the Prepo Incident</td> <td align="center">Yes</td> <td>If null, then set to Mob ETA (which would be the same value as Mob ETD)</td> </tr> <tr> <td>DE [Demob En Route]</td> <td align="center">Yes</td> <td>If the resource is released to the preposition, then no change, otherwise set to null</td> </tr> <tr> <td>Any other status</td> <td align="center">Yes</td> <td>Should already have a value (no change)</td> </tr> <tr> <td>AV [Available]</td> <td align="center">No</td> <td>Null</td> </tr> <tr> <td>RS [Reserved]</td> <td align="center">No</td> <td>Null</td> </tr> <tr> <td>DE [Demob En Route]</td> <td align="center">No</td> <td>Null</td> </tr> <tr> <td>RT [Returned from Assignment]</td> <td align="center">No</td> <td>Null</td> </tr> <tr> <td>MI [Mob En Route]</td> <td align="center">No</td> <td>No change (may or may not already have a value)</td> </tr> <tr> <td>AI [At Incident]</td> <td align="center">No</td> <td>If null, then set to Mob ETA (which would be the same value as Mob ETD)</td> </tr> <tr> <td>RL [Released (At Incident)]</td> <td align="center">No</td> <td>Should already have a value (no change)</td> </tr> <tr> <td>TR [Tentative Release]</td> <td align="center">No</td> <td>Should already have a value (no change)</td> </tr> <tr> <td>RA [Reassigned (At Incident)]</td> <td align="center">No</td> <td>Should already have a value (no change)</td> </tr> <tr> <td>Any other status (NS or any U status)</td> <td align="center">No</td> <td>Null</td> </tr> </tbody> </table>	Resource Status	Is Preposition	Commitment Start Date Excluding Initial Travel	RS [Reserved]	Yes	No change (may or may not already have a value)	MI [Mob En Route]	Yes	No change (may or may not already have a value)	AV [Available] Note: resource will go to AV status when it arrives at the Prepo Incident	Yes	If null, then set to Mob ETA (which would be the same value as Mob ETD)	DE [Demob En Route]	Yes	If the resource is released to the preposition, then no change, otherwise set to null	Any other status	Yes	Should already have a value (no change)	AV [Available]	No	Null	RS [Reserved]	No	Null	DE [Demob En Route]	No	Null	RT [Returned from Assignment]	No	Null	MI [Mob En Route]	No	No change (may or may not already have a value)	AI [At Incident]	No	If null, then set to Mob ETA (which would be the same value as Mob ETD)	RL [Released (At Incident)]	No	Should already have a value (no change)	TR [Tentative Release]	No	Should already have a value (no change)	RA [Reassigned (At Incident)]	No	Should already have a value (no change)	Any other status (NS or any U status)	No	Null
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<input checked="" type="checkbox"/>	Instructor Information and Actions
2.3.12 Topic 3–12: Data Changes and Relationships	
<input type="checkbox"/>	<p>1. Data Changes: Resources Subject Area:</p> <ul style="list-style-type: none">a. The Resources > Assignment History query subject was removed; all assignment data can now be found in the Requests > Assignment query subject. b. The Employment Class query item was moved into the Resources > Resource History query subject from the Requests > Assignment query subject. c. Analytical Reports now includes resources that do not have the assigned qualifications; this could result in additional records displaying in a report.
<input type="checkbox"/>	<p>2. Data Changes: Requests Subject Area: The following new query items were added to the Requests > Assignment query subject:</p> <ul style="list-style-type: none">a. Non-Existing Req Flag: Indicates whether the resource on this assignment was reassigned to a different request while mob en route on this request. With the addition of this query item, all assignment data can now be found in this query subject. b. Res Qual Status – Assign: Qualification status of the resource with respect to the requested catalog item at the time of assignment (e.g., Trainee).

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<input checked="" type="checkbox"/>	Instructor Information and Actions
	<p>c. Res Qual Status Code – Assign: Shortened description indicating the Qualification status of the resource with respect to the requested catalog item at the time of assignment (e.g., T).</p>
<input type="checkbox"/>	<p>3. Relationships:</p> <p>a. A Request record is associated with the Incident History record that reflects the Incident information at the time the request was created.</p> <p>b. A Request record is associated with the Resource History record that reflects the Resource information at the time of assignment.</p> <p>c. Other History Query Subjects are associated with the ‘current’ object, <u>not</u> the ‘history’ object. For example: Resource Status History ties to Res Name from Resources, <u>not</u> to Res Name* from Resources History.</p>
<input type="checkbox"/>	<p>4. Pre-Configured Filters: Note that the pre-configured filters in each main subject areas (e.g., Filled Catalog\Category\Catalog Item (Req) in the Requests subject area) can only filter against current year data, and are not appropriate for reports containing out-year data.</p>

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<input checked="" type="checkbox"/>	Instructor Information and Actions
2.3.13 Topic 3–13: Converting a Current Year Report into an Historical Report	
<input type="checkbox"/>	1. To convert a current year to a multi-year report, the report must be re-directed from the ROSS AR data package to the ROSS ARH data package.
<input type="checkbox"/>	2. Follow these steps: a. Make a <u>copy</u> of the existing report (<u>not</u> a Report View). b. Paste the copy in the appropriate folder. c. Edit the Properties of the copy as follows: <ul style="list-style-type: none">• Click the 'Link to a package' link and select the ROSS ARH data package.• Change the report title as appropriate to reflect the additional years. d. Save the changes.

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<input checked="" type="checkbox"/>	Instructor Information and Actions
<input type="checkbox"/>	3. The report will now display all available data from all years, though the Inc Calendar Year can be filtered to limit which years' data displays.
<input type="checkbox"/>	4. Potential problems when re-directing a report to the ROSS ARH data package: a. Report contains a data item that does not exist in ROSS ARH. b. Report contains a pre-configured filter that does not exist in ROSS ARH.
<input type="checkbox"/>	5. If the report contains a data item from ROSS AR that does not exist in ROSS ARH, the following message displays:  The report must be updated because a more recent version of the package exists, or because the report contains objects, such as members and levels, that are no longer in the model. After the report has been updated, you must save it to complete the update. As a precaution, you can keep the original report unchanged by saving this report with another name. Do you want to update? For example, the message displays when re-directing the Administration > Organizations > ROSS User by Dispatch report because it contains query items from the Organization Users query subject, which does not exist in ROSS ARH.

<input checked="" type="checkbox"/>	Instructor Information and Actions																		
<input type="checkbox"/>	<p>6. Users can determine which data items in a current year report will not transfer over to a multi-year version of the report by comparing the items listed in the report's Report Definition (accessed via the Manage File menu option) to the ROSS ARH Data Dictionary.</p> <div style="border: 1px solid #ccc; padding: 10px; margin: 10px 0;"> <p>Report Definition</p> <p>Provides the expression for each report item.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #f2f2f2;"> <th style="text-align: left;">Report Item</th> <th style="text-align: left;">Expression</th> </tr> </thead> <tbody> <tr> <td> Managing Dispatch Unit Code</td> <td>[Organizations].[Users].[Role Org Unit Code]</td> </tr> <tr> <td> Managing Dispatch Name</td> <td>[Organizations].[Users].[Role Org Name]</td> </tr> <tr> <td> Last Name</td> <td>[Organizations].[Users].[Last Name]</td> </tr> <tr> <td> First Name</td> <td>[Organizations].[Users].[First Name]</td> </tr> <tr> <td> ROSS User Name</td> <td>[Organizations].[Users].[ROSS User Name]</td> </tr> <tr> <td> Last Login Date Central Time</td> <td>[Organizations].[Users].[Last Login Date]</td> </tr> <tr> <td> Days Since Last Log In</td> <td>_days_between((Business View).[Current Cognos Date\Time], ((Organizations).[Users].[Last Login Date]))</td> </tr> <tr> <td> ROSS User Flag</td> <td>[Organizations].[Users].[ROSS User Flag]</td> </tr> </tbody> </table> </div>	Report Item	Expression	Managing Dispatch Unit Code	[Organizations].[Users].[Role Org Unit Code]	Managing Dispatch Name	[Organizations].[Users].[Role Org Name]	Last Name	[Organizations].[Users].[Last Name]	First Name	[Organizations].[Users].[First Name]	ROSS User Name	[Organizations].[Users].[ROSS User Name]	Last Login Date Central Time	[Organizations].[Users].[Last Login Date]	Days Since Last Log In	_days_between((Business View).[Current Cognos Date\Time], ((Organizations).[Users].[Last Login Date]))	ROSS User Flag	[Organizations].[Users].[ROSS User Flag]
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<input type="checkbox"/>	<p>7. If the report contains a pre-configured filter from ROSS AR that does not exist in ROSS ARH, the report <u>will not run</u>.</p> <p>a. An example is re-directing the Resources > Assignment History > Aircraft Assignment History by GACC and Dispatch report.</p> <p>b. The report contains the Assignment History pre-configured filter, which does not exist in ROSS ARH.</p>																		

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<input checked="" type="checkbox"/>	Instructor Information and Actions
	c. <u>The user must remove the pre-configured filter from the report prior to pointing it to the ROSS ARH data package.</u>
<input type="checkbox"/>	8. The following ROSS AR pre-configured filters do <u>not</u> exist in ROSS ARH: a. Resources > Assignment History. b. Resources > Current Status. c. Resources > Exclude Non-Existing Requests.
2.3.14 Topic 3–14: Running and Building Reports in ROSS ARH	
<input type="checkbox"/>	1. <u>Because ROSS ARH can access multiple years of data, there is the potential for generating reports that query for so much data that reporting system performance is adversely affected.</u>
<input type="checkbox"/>	2. When running a ROSS ARH report from the User Community folder, no changes are necessary since these reports contain filters that prompt the user to restrict the amount of data queried.

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<input checked="" type="checkbox"/>	Instructor Information and Actions
<input type="checkbox"/>	3. However, when building or editing a ROSS ARH report in Query Studio, it is important to perform the following.
<input type="checkbox"/>	4. Run the report in the 'Preview with No Data' mode. A report should be run with data only after the appropriate filters and query items have been added.
<input type="checkbox"/>	5. Add filters to the report prior to adding any query items.
<input type="checkbox"/>	6. Insert, and filter, query items in a 'general to specific' order to limit the amount of data that must be retrieved. For example: a. Filter on Inc GACC Org Name prior to inserting Inc Disp Org Name. b. Filter on Inc Disp Org Name prior to inserting Inc Name.
<input type="checkbox"/>	7. Always anticipate the effects of adding the next query item, and filter the existing data first if appropriate.

2.4 Unit 4: Archive Data Scenarios

<input checked="" type="checkbox"/>	Instructor Information and Actions
<input type="checkbox"/>	1. Display Slide ROSSARH-SL-5 and conduct Scenario # 1: Archive Data – Convert Current Year Report to Multi-Year.
<input type="checkbox"/>	2. Display Slide ROSSARH-SL-6 and conduct Scenario # 2: Archive Data – Incidents.
<input type="checkbox"/>	3. Display Slide ROSSARH-SL-7 and conduct Scenario # 3: Archive Data – Requests.
<input type="checkbox"/>	4. Display Slide ROSSARH-SL-8 and conduct Scenario # 4: Archive Data – Resources.

2.5 Unit 5: Look Up History Data Scenarios

<input checked="" type="checkbox"/>	Instructor Information and Actions
<input type="checkbox"/>	1. Display Slide ROSSARH-SL-9 and conduct Scenario # 5: Look Up History Data – Resources.

2.6 Unit 6: Tracked History Data Scenarios

<input checked="" type="checkbox"/>	Instructor Information and Actions
<input type="checkbox"/>	1. Display Slide ROSSARH-SL-10 and conduct Scenario # 6: Tracked History Data – Requests.
<input type="checkbox"/>	2. Display Slide ROSSARH-SL-11 and conduct Scenario # 7: Tracked History Data – Resources.

2.7 Unit 7: Student Practice

<input checked="" type="checkbox"/>	Instructor Information and Actions
<input type="checkbox"/>	<p>1. Facilitate conduct of student practice sessions using scenarios pertinent to the students. Use the following training sequence for each scenario:</p> <p>a. Students work in small groups to ‘table-top’ the scenario by laying out on paper the steps necessary to complete the scenario, including identifying the following:</p> <ul style="list-style-type: none">• The query items, filters, and/or calculations needed on the report.• The order in which items are to be added to the report.• The expected results of adding each item to the report.• How the results will answer the reporting question, and other questions that could be answered from the report results. <p>b. Each student works independently in Query Studio to complete the scenario</p>

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2.8 Unit 8: Wrap Up

<input checked="" type="checkbox"/>	Instructor Information and Actions
<input type="checkbox"/>	1. Congratulate students on finishing the ROSS ARH course.
<input type="checkbox"/>	2. Explain that to deepen your understanding of ROSS ARH, and to refine your user skills, students must keep practicing when they return home.
<input type="checkbox"/>	3. Display and briefly discuss Slides ARH-SL-12 and ARH-SL-13 (Course Objectives Review), and ensure each objective has been met.
<input type="checkbox"/>	4. Elicit and answer remaining student questions.

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<input checked="" type="checkbox"/>	Instructor Information and Actions
<input type="checkbox"/>	5. Review student expectations, and ensure each has been met.
<input type="checkbox"/>	6. Request students fill out the course evaluation.
<input type="checkbox"/>	7. Requests students clean up their workspace.

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APPENDIX A: HISTORY QUERY ITEMS

Subject Area	Query Subject	Tracked History Query Items	Look Up History Query Items
Integrated Subject Areas			
Incidents	Financial Codes History	Inc Fin Code Active Flag* Inc Fin Code ID* Inc Fin Code Primary Flag*	Inc Fin Code Assigned By Org Name^ Inc Fin Code Assigned By Org Unit Code^ Inc Fin Code Fiscal Year^ Inc Fin Code Owned By Org Abbrev^ Inc Fin Code Owned By Org Name^ Inc Fin Code Used By Org Name^ Inc Fin Code Used By Org Unit Code^ Inc Fin Code^
	Frequencies History	Radio Freq Air Tactical Flag* Radio Freq Contact Name* Radio Freq ID* Radio Freq Owner* Radio Freq Primary Flag* Radio Freq Tone* Radio Freq Type* Radio Freq Value*	None.
	Hazards History	Hazard City* Hazard ID* Hazard Removed Flag* Hazard State* Hazard Type* Hazard*	Fixed Flag^ Hazard City^ Hazard Org Name^ Hazard Org Unit Code^ Originating App System Name^
	Hazards History (Coordinates folder)	Data related to: Base Meridian, Latitude, Longitude, Township, Range, Section, and UTM	None.
	Incidents History	Inc Name* Inc Number* Inc Type Code*	Inc Type^
	Incidents History (Coordinates folder)	Data related to: Base Meridian, Latitude, Longitude, Township, Range, Section, and UTM	None.

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Subject Area	Query Subject	Tracked History Query Items	Look Up History Query Items
	Incidents History (Organizations folder)	Benefiting Org ID* Billing Org ID* Inc Disp Org ID* Inc Host Org ID*	Benefiting Org Name^ Benefiting Org Unit Code^ Billing Org Name^ Billing Org Unit Code^ Inc Agency Abbrev^ Inc Agency Org Name^ Inc Agency Type^ Inc Disp Org Name^ Inc Disp Org Unit Code^ Inc GACC Org Name^ Inc GACC Org Unit Code^ Inc Host Org Name^ Inc Host Org Unit Code^
Requests	Assignment	Res Qual Status Code – Assign	Res Qual Status – Assign
	Request Status History	Req Status Code*	Req Status^
Resources	Features History	None.	Res Feature^
	Qualifications History	Card Expiration Date* Primary Flag* Qual ID* Qual Status Code* Qual Visibility Flag* Quickfill Flag* Record Source*	Catalog Item Code^ Catalog Item Name^ Catalog Name^ Category Name^ Qual Status^ Record Source Desc^
	Resource Status History	Preposition Flag* Res Status Code* Unavailable Flag*	Res Area^ Res Status^
	Resources History	Home Loc ID* Home Loc Type Code* Res Name*	Employment Class^ Home Loc Name^ Home Loc Type^ Vendor Owned Flag^

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Subject Area	Query Subject	Tracked History Query Items	Look Up History Query Items
	Resources History (Organizations folder)	Res Disp Org ID* Res Home Unit Org ID* Res Owner ID* Res Prov ID*	Res Disp Org Name^ Res Disp Org Unit Code^ Res GACC Org Name^ Res GACC Org Unit Code^ Res Home Unit Org Name^ Res Home Unit Org Unit Code^ Res Owner Name^ Res Owner Unit Code^ Res Prov Agency^ Res Prov Agency Abbrev^ Res Prov Agency Political Unit Abbrev^ Res Prov Agency Political Unit Level^ Res Prov Agency Political Unit Name^ Res Prov Name^ Res Prov State^ Res Prov Unit Code^
	Unavailability Period History	Unavailability Period Reason Code* Unavailable End Date* Unavailability Start Date*	Unavailability Period Reason^
Independent Subject Areas			
Catalog	Catalog Items History	Catalog ID* Catalog Item Name* Mnemonic/NFES Code*	Catalog Name^ Category Name^
Organizations	Direct Order Affiliations History	DO Affiliate Org ID* DO Catalog Item ID* DO Category ID* DO Inc Host Org ID* DO Ordering Auth Flag*	DO Affiliate GACC Org Name^ DO Affiliate GACC Org Unit Code^ DO Catalog Item Name^ DO Catalog Name^ DO Category Name^ DO Inc Host Org Name^ DO Inc Host Org Unit Code^
	Place Up Affiliations History	PU Affiliate Org ID* PU Default Flag* PU Inc Host Org ID* PU Ordering Auth Flag*	PU Affiliate GACC Org Name^ PU Affiliate GACC Org Unit Code^ PU Affiliate Org Name^ PU Affiliate Org Unit Code^ PU Inc Host Org Name^ PU Inc Host Org Unit Code^

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Subject Area	Query Subject	Tracked History Query Items	Look Up History Query Items
	Selection Area History	SA Active Flag* SA Place Up Auth Flag* SA Placed Down Reqs Flag* SA Placed Reqs Flag*	None.

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APPENDIX B: CALCULATIONS

Subject Area	Calculation	Calculation Description and Rules
Incidents	First 24 Hour End Date	Ending date and time of the first 24 hours of the incident, calculated from the initial date and time of the incident
	First 48 Hour End Date	Ending date and time of the first 48 hours of the incident, calculated from the initial date and time of the incident.
	Incident Phase	<p>Phase (First 24 Hours, Second 24 Hours, Beyond 48 Hours) that the incident is currently in, or was in when the incident ended.</p> <ul style="list-style-type: none"> • The first 24 hour phase of an incident begins on the incident's Initial Date and ends 24 hours after the Initial Date of the incident. • The second 24 hour phase begins when more than 24 hours have passed since the incident's Initial Date and ends 48 hours after the Initial Date. • The beyond 48 hours phase of an incident begins when more than 48 hours have passed since the incident's Initial Date. • If the Initial Date is in the future, the incident phase will be null. • If the incident does not have an end date, or if the incident's end date has not passed, the incident phase will display the appropriate phase as determined by the amount of time between the initial date and the current date/time. • If the incident's end date has passed, the incident phase will display the appropriate phase as determined by the amount of time between the initial date and the incident end date. • If the End Date is prior to the Initial Date, then a value of 'End Date prior to Initial Date' will be returned. • Note that Initial Date is a date/time value in Analytical Reports.

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Subject Area	Calculation	Calculation Description and Rules
	ROSS Activity Duration (see Note)	<p>Duration of ROSS activity on the incident, calculated by subtracting the mob ETD/ATD of the first resource to leave for the incident from the demob ETD/ATD of the last resource to leave the incident. This pertains only to Tracked resources, including Tracked Supply resources.</p> <ul style="list-style-type: none"> • If no tracked resources have left for the incident, then return a value of null. This occurs when: <ul style="list-style-type: none"> – No tracked resources have been assigned. – Mob ETD/ATD (Mob ETD) of first tracked resource is in the future. • If ROSS Activity End Date is null, and the Mob ETD of the first tracked resource has passed, then subtract the Mob ETD of the first tracked resource assigned to the incident from the Current Date. • If ROSS Activity End Date is not null: <ul style="list-style-type: none"> – If Demob ETD has passed, subtract the Mob ETD of the first tracked resource from the ROSS Activity End Date. – If Demob ETD is in the future, subtract the Mob ETD of the first tracked resource from the Current Date.
	ROSS Activity Start Date (see Note)	Starting date of ROSS activity on the incident based on the mob ETD/ATD of the first resource to leave for the incident.
	ROSS Activity End Date (see Note)	<p>Ending date of ROSS activity on the incident based on the demob ETD/ATD of the last resource to leave the incident.</p> <ul style="list-style-type: none"> • The End Date and End Date TZ Code will be the Demob ETD and Demob ETD TZ Code values of the last tracked resource to leave the incident. • If tracked resources are still assigned, a value of null will be reported. • If ETD hasn't passed, display a value of null. • If all the tracked resources have left the incident (thus setting the End Date value) and then more tracked resources arrive at the incident, then the End Date value will return to null.

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Subject Area	Calculation	Calculation Description and Rules
Requests	At Incident Duration	<p>The resource's time at incident from mob ETA through demob ETD, or current date if the resource is still at the incident.</p> <ul style="list-style-type: none"> • When Mob ETA is null: <ul style="list-style-type: none"> – Unfilled Request: display value of null. – Untracked Supply (Fill/Close): display value of null. • When Mob ETA has value and Demob ETD is null: <ul style="list-style-type: none"> – Mob ETA in future: display value of null. – Mob ETA in past: subtract Mob ETA from Current Date. • When Mob ETA has value and Demob ETD has value: <ul style="list-style-type: none"> – Demob ETD in future: subtract Mob ETA from Current Date. – Demob ETD in past: subtract Mob ETA from Demob ETD. • GMT values are used for all dates to calculate the actual travel time, in case the ETD/ATD and ETA/ATA were entered with different time zones. • Note that Demob ETD and Mob ETA are inclusive of ATD and ATA.
	Days Assigned	<p>The number of calendar days that the resource was on the assignment, beginning with the Mob ETD and ending with the Demob ETA, or current date if the resource is still on the assignment.</p> <ul style="list-style-type: none"> • For an assignment, the number of days assigned is determined by counting the number of calendar days beginning with the Mob ETD and ending with the Demob ETA or current date if Demob ETA is null or if Demob ETA is in the future. • For example, if a resource's Mob ETD was 10:00 pm on 11/28/2010 and the Demob ETA was 6:00 am on 11/29/2010, the calculation will return a result of 2 days. • A value of null will be returned if the Mob ETD is in the future or has not been set.
	Demob Travel Duration	<p>Resource's demob travel time from demob ETD through demob ETA, or current date if the resource is currently demob en route.</p> <ul style="list-style-type: none"> • When Demob ETD and Demob ETA are null, display a value of null; otherwise display Demob ETA - Demob ETD. • GMT values are used to calculate the actual travel time, in case the ETD/ATD and ETA/ATA were entered with different time zones. • Note that Demob ETD and Demob ETA are inclusive of ATD and ATA.
	Mob Travel Duration	<p>Resource's mob travel time from mob ETD through mob ETA, or current date if the resource is currently mob en route.</p> <ul style="list-style-type: none"> • When Mob ETD and Mob ETA are null, display a value of null; otherwise display Mob ETA - Mob ETD. • GMT values are used to calculate the actual travel time, in case the ETD/ATD and ETA/ATA were entered with different time zones. • Note that Mob ETD and Mob ETA are inclusive of ATD and ATA.

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Subject Area	Calculation	Calculation Description and Rules
	Request Time to Fill	Time it took to fill a request by subtracting the Order Date (GMT) from the Assign Date (GMT). If the request has not been filled, the Assign Date is null and thus the Request Time to Fill value will be null.

Note: This is not a real-time value. There will be up to a 30 minute delay for this value to re-calculate once data changes.

Subject Area	Calculation	Calculation Description
Resources	Days Currently Committed	<p>The total number of days a currently-assigned resource has been committed, starting from the mob ETD of the assignment or the mob ETD of the initial assignment if the resource was reassigned.</p> <ul style="list-style-type: none"> • For a resource that is currently committed, the number of days committed is determined by counting the number of commitment days beginning with the Commitment Start Date and ending with the Current Date. • For example, if a resource's Commitment Start Date was 10:00 pm on 11/28/2010 and the current time is 6:00 am on 11/29/2010, the calculation will return a result of 2 days. • If a resource is not currently committed, a value of null will be returned. • If request data is included in the report, the value for Days Currently Committed will only display in conjunction with the resource's current assignment.
	Days Currently Committed Excluding Initial Travel	<p>The total number of days a currently-assigned resource has been committed, starting from the mob ETA of the assignment, or the mob ETA of the initial assignment if the resource was reassigned.</p> <ul style="list-style-type: none"> • For a resource that is currently committed, the number of days committed excluding initial travel is determined by counting the number of commitment days beginning with the Commitment Start Date (Excluding Initial Travel) and ending with the Current Date. • For example, if a resource's Commitment Start Date (Excluding Initial Travel) was 10:00 pm on 11/28/2010 and the current time is 6:00 am on 11/29/2010, the calculation will return a result of 2 days. • If a resource is not currently committed, a value of null will be returned. • The value for Days Currently Committed Excluding Initial Travel will only display in conjunction with the resource's current assignment.

APPENDIX C: INSTRUCTOR SCENARIOS

Scenario # 1: Archive Data – Convert Current Year Report to Multi-Year	
Reporting Question(s)	ROSS Data Setup
How many incidents per year did an Agency Host have?	Not applicable.
<p>Actions in ROSS ARH:</p> <p>To convert the Incident List by Agency Host Report (Public Folders > ROSS-AR > User Community Reports > UC – Incidents > Incident List by Agency Host Report) into a multi-year report:</p> <ol style="list-style-type: none"> 1. Make a <u>copy</u> of the existing report (<u>not</u> a Report View). 2. Paste the copy in the appropriate folder. 3. Edit the Properties of the copy as follows: <ul style="list-style-type: none"> • Click the 'Link to a package' link and select the ROSS ARH data package. • Re-title the report to Incident List by Agency Host <u>and Year</u>. 4. Filter on Inc Calendar Year and select prompt every time the report runs. 5. Select Inc Calendar Year column and create Sections. 6. Save the changes. 7. Run the report. 8. The following message displays: <div data-bbox="226 998 294 1063" data-label="Image"> </div> <p>The report must be updated because a more recent version of the package exists, or because the report contains objects, such as members and levels, that are no longer in the model.</p> <p>After the report has been updated, you must save it to complete the update. As a precaution, you can keep the original report unchanged by saving this report with another name.</p> <p>Do you want to update?</p> 9. Click OK to continue. <p><u>Continue to next page for Report Solution.</u></p>	

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Appendix C

Scenario # 1: Archive Data – Convert Current Year Report to Multi-Year (cont.)

Report Solution:

Incident List by Agency Host and Year

 [Inc Agency Org Name\Inc Host Org Name \(Inc\) AND Inc Calendar Year: Between 2009 and 2010](#)

Inc Calendar Year: 2009

Inc Number	Inc Name	Inc Disp Org Unit Code	Inc Type	Initial Date	Inc Status Name	Lat	Long
CO-ARF-009001	CY-2009 ARF ABCD MISC.	CO-FTC	Fire - Wildfire	9/11/09	Closed	40 33 35 N	105 5 8 W
CO-ARF-009002	CY-2009 FTC SUPPORT	CO-FTC	Other Support	1/2/09	Closed	40 33 35 N	105 5 8 W
CO-ARF-009003	CY-2009 FTC AVIATION SUPPORT	CO-FTC	Other Support	1/1/09	Closed	39 54 50 N	105 7 0 W
CO-ARF-009004	GREYROCK MEADOWS	CO-FTC	Fire - Wildfire	2/2/09	Closed	40 43 11N	105 18 22W
CO-ARF-009038	2009 ARF WINTER SEVERITY	CO-FTC	Preparedness/Preposition	2/24/09	Closed	40 35 0 N	105 5 0 W
CO-ARF-009052	PAWNEE RX	CO-FTC	Fire - Prescribed	3/12/09	Closed	40 38 4 N	104 19 36 W
CO-ARF-009076	LONETREE 3	CO-FTC	Fire - Wildfire	4/9/09	Closed	40 43 13 N	105 26 12 W
CO-ARF-009090	2009 ARF HECM REFRESHER	CO-FTC	Training - Proficiency	4/24/09	Closed	40 35 49 N	105 8 36 W
CO-ARF-009104	ARF BARK BEETLE MITIGATION	CO-FTC	Preparedness/Preposition	5/22/09	Closed	40 35 7 N	105 5 2 W
CO-ARF-009105	SHEEP CREEK 2 RX	CO-FTC	Fire - Prescribed	7/21/09	Closed	40 54 57 N	105 34 22 W
CO-ARF-009277	WINTERSTEEN	CO-FTC	Fire - Wildfire	7/23/09	Open	40 42 26 N	105 16 31 W
CO-ARF-009336	DARLING CREEK	CO-FTC	Other Support	8/5/09	Closed	39 49 9 N	105 59 44 W
CO-ARF-009419	BUTTON ROCK	CO-FTC	Fire - Wildfire	8/18/09	Closed	40 15 1 N	105 21 6 W
CO-ARF-009473	WEST CREEK FIRE	CO-FTC	Fire - Wildfire	9/1/09	Closed	40 26 57 N	105 28 16 W
CO-ARF-009474	ZIMMERMAN	CO-FTC	Fire - Wildfire	9/4/09	Closed	40 41 41 N	105 41 17 W
CO-ARF-009475	MISTAKE INCIDENT	CO-FTC	Fire - Wildfire	9/6/09	Closed	40 37 6 N	105 49 59 W
CO-ARF-009497	LARAMIE	CO-FTC	Fire - Wildfire	9/6/09	Closed	40 37 6 N	105 49 59 W
CO-ARF-009510	DUNRAVEN	CO-FTC	Fire - Wildfire	9/8/09	Open	40 28 34 N	105 27 44 W
CO-ARF-009528	COFFIN TOP	CO-FTC	Fire - Wildfire	9/14/09	Closed	40 11 54 N	105 21 20 W
CO-ARF-009590	BAKER DRAW	CO-FTC	Fire - Wildfire	11/7/09	Open	40 41 49 N	104 27 27 W

Inc Calendar Year: 2010

Inc Number	Inc Name	Inc Disp Org Unit Code	Inc Type	Initial Date	Inc Status Name	Lat	Long
CO-ARF-000002	2010 FTC SUPPORT	CO-FTC	Preparedness/Preposition	1/4/10	Closed	40 33 35 N	105 5 8 W

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Scenario # 2: Archive Data – Incidents	
Reporting Question(s)	ROSS Data Setup
How many incidents per year did an Agency Host have?	Not applicable.
Actions in ROSS ARH: To develop a new Incident List by Agency Host and Year report: <ol style="list-style-type: none">1. Add Incidents > Inc Agency Org Name\Inc Host Org Name (Inc).2. Select Inc Agency Org Name = U.S. Forest Service, re-prompt and select Inc Host Org Name = White River National Forest.3. Filter Inc Calendar Year = 2009 and 2010, and select prompt every time the report runs.4. Add Incidents > Incidents > Inc Calendar Year.5. Select Inc Calendar Year column and create Sections.6. Add Incidents > Incidents > Inc Number and Inc Name.7. Add Incidents > Incidents > Organizations folder > Inc Disp Org Unit Code.8. Add Incidents > Incidents > Inc Type, Initial Date, and Inc Status Name.9. Add Incidents > Incidents > Coordinates folder > Lat, and Long.10. Save the report to 'My Folders'. <u>Continue to next page for Report Solution.</u>	

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Scenario # 2: Archive Data – Incidents (cont.)

Report Solution:

Incident List by Agency Host and Year

 [Inc Agency Org Name\Inc Host Org Name \(Inc\) AND Inc Calendar Year: Between 2009 and 2010](#)

Inc Calendar Year: 2009

Inc Number	Inc Name	Inc Disp Org Unit Code	Inc Type	Initial Date	Inc Status Name	Lat	Long
CO-ARF-009001	CY-2009 ARF ABCD MISC.	CO-FTC	Fire - Wildfire	9/11/09	Closed	40 33 35 N	105 5 8 W
CO-ARF-009002	CY-2009 FTC SUPPORT	CO-FTC	Other Support	1/2/09	Closed	40 33 35 N	105 5 8 W
CO-ARF-009003	CY-2009 FTC AVIATION SUPPORT	CO-FTC	Other Support	1/1/09	Closed	39 54 50 N	105 7 0 W
CO-ARF-009004	GREYROCK MEADOWS	CO-FTC	Fire - Wildfire	2/2/09	Closed	40 43 11N	105 18 22W
CO-ARF-009038	2009 ARF WINTER SEVERITY	CO-FTC	Preparedness/Preposition	2/24/09	Closed	40 35 0 N	105 5 0 W
CO-ARF-009052	PAWNEE RX	CO-FTC	Fire - Prescribed	3/12/09	Closed	40 38 4 N	104 19 36 W
CO-ARF-009076	LONETREE 3	CO-FTC	Fire - Wildfire	4/9/09	Closed	40 43 13 N	105 26 12 W
CO-ARF-009090	2009 ARF HECM REFRESHER	CO-FTC	Training - Proficiency	4/24/09	Closed	40 35 49 N	105 8 36 W
CO-ARF-009104	ARF BARK BEETLE MITIGATION	CO-FTC	Preparedness/Preposition	5/22/09	Closed	40 35 7 N	105 5 2 W
CO-ARF-009105	SHEEP CREEK 2 RX	CO-FTC	Fire - Prescribed	7/21/09	Closed	40 54 57 N	105 34 22 W
CO-ARF-009277	WINTERSTEEN	CO-FTC	Fire - Wildfire	7/23/09	Open	40 42 26 N	105 16 31 W
CO-ARF-009336	DARLING CREEK	CO-FTC	Other Support	8/5/09	Closed	39 49 9 N	105 59 44 W
CO-ARF-009419	BUTTON ROCK	CO-FTC	Fire - Wildfire	8/18/09	Closed	40 15 1 N	105 21 6 W
CO-ARF-009473	WEST CREEK FIRE	CO-FTC	Fire - Wildfire	9/1/09	Closed	40 26 57 N	105 28 16 W
CO-ARF-009474	ZIMMERMAN	CO-FTC	Fire - Wildfire	9/4/09	Closed	40 41 41 N	105 41 17 W
CO-ARF-009475	MISTAKE INCIDENT	CO-FTC	Fire - Wildfire	9/6/09	Closed	40 37 6 N	105 49 59 W
CO-ARF-009497	LARAMIE	CO-FTC	Fire - Wildfire	9/6/09	Closed	40 37 6 N	105 49 59 W
CO-ARF-009510	DUNRAVEN	CO-FTC	Fire - Wildfire	9/8/09	Open	40 28 34 N	105 27 44 W
CO-ARF-009528	COFFIN TOP	CO-FTC	Fire - Wildfire	9/14/09	Closed	40 11 54 N	105 21 20 W
CO-ARF-009590	BAKER DRAW	CO-FTC	Fire - Wildfire	11/7/09	Open	40 41 49 N	104 27 27 W

Inc Calendar Year: 2010

Inc Number	Inc Name	Inc Disp Org Unit Code	Inc Type	Initial Date	Inc Status Name	Lat	Long
CO-ARF-000002	2010 FTC SUPPORT	CO-FTC	Preparedness/Preposition	1/4/10	Closed	40 33 35 N	105 5 8 W

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Scenario # 3: Archive Data – Requests	
Reporting Question(s)	ROSS Data Setup
<ol style="list-style-type: none"> 1. What requests were filled, by GACC, in a specific time frame? 2. What is the detailed information, by Incident Request and Incident Dispatch? 	Not applicable.
<p>Actions in ROSS ARH:</p> <ol style="list-style-type: none"> 1. Add Inc GACC Org Name\Inc Disp Org Name (Inc) filter = <GACC and Dispatch for your area>. 2. Create Filter on Incidents > Incidents > Initial Date = 2009 and 2010, and select prompt every time the report runs. 3. Create Filter on Parent Req Catalog Name, and select prompt every time the report runs. 4. Add Incidents > Incidents > Inc Calendar Year, Inc Number, Inc ID, and Inc Name (in that order). 5. Sort on Inc Number. Point out that unless a multi-year report like this is sectioned by either Initial Date or Inc Calendar Year, duplicate incident numbers are likely to display. 6. Remove the sort on Inc Number. 7. Change report format to Run With No Data. 8. Add Requests > Requests > Parent Req Catalog Name. 9. Add Requests > Requests > Req Number, Req ID, Order Date, Order Date TZ Code, and Qty Requested (in that order). 10. Add Requests > Catalog – Requested > Req Catalog Name, Req Catalog Item Name, and Req Catalog Item Code (in that order). 11. Add Requests > Requests > Need Date. 12. Add Requests > Assignment > Assign Date, Assign Date TZ Code, Filled by Org Unit Code, Res Prov Agency, and Res Prov Org Unit Code (in that order). 13. Add Requests > Assignment > Assignment Name, and rename column to 'Resource Assigned'. 14. Add Requests > Assignment > Mobilization folder > Mob ETD, Mob ETD TZ Code, Mob ETA, Mob ETA TZ Code, Mob Travel, and Mob Travel Mode (in that order). 	

Scenario # 3: Archive Data – Requests (cont.)

Actions in ROSS ARH (cont.):

15. Sort on Req Number Sort Key (ascending).
16. Select Inc Calendar Year, Inc Number, Inc Name, and Inc ID, and then Section the report. Point out the difference with the report sectioned by Inc Calendar Year.
17. Change report format to Run With All Data.
18. Save the report to 'My Folders'.

Continue to next page for Report Solution.

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Scenario # 3: Archive Data – Requests (cont.)

Report Solution:

Cognos Viewer - Historical Incident Requests by Inc GACC, Dispatch, Year & Catalog Rex Alford Log On | Home | About

[Keep this version](#) | [Add this report](#)

Historical Incident Requests by Inc GACC Dispatch, Year & Catalog

Inc GACC Org Name: Inc Disp Org Name (Inc) AND Initial Date: Between Jan 1, 2009 12:00 AM and Dec 31, 2010 11:59 PM AND Parent Req Catalog Name: Overhead
 Req Number Sort Key: Ascending order

Inc Calendar Year: 2009

Inc Number: CO-COS-000001

Inc Name: CSFS SEAT SUPPORT

Inc ID	Parent Req Catalog Name	Parent Req Number	Req ID	Order Date	Order Date TZ Code	Qty Requested	Req Catalog Name	Req Catalog Item Name	Req Catalog Item Code	Need Date	Assign Date	Assign Date TZ Code	Filled by Org Unit Code	Res Prov Agency	Res Prov Org Unit Code	Resource Assigned	Mob ETD	Mob ETD TZ Code	Mob ETA	Mob ETA TZ Code	Mob Travel	Mob Travel Mode
99027	Overhead		1913627	Mar 13, 2009 12:23:24 PM	MST	1	Overhead	AIRTANKER BASE MANAGER	ATBM	Mar 14, 2009 9:30:00 AM	Mar 13, 2009 2:54:12 PM	MST	CO-FTC	U.S. Forest Service	CO-ARF	MICHELSEN, MARK (CO-FTC)	Mar 14, 2009 9:25:00 AM	MST	Mar 14, 2009 9:30:00 AM	MST	ETD / ETA	
99027	Overhead		1914524	Mar 19, 2009 12:00:19 PM	MST	1	Overhead	SINGLE ENGINE AIR TANKER MANAGER	SEMG	Mar 21, 2009 9:30:00 AM	Mar 19, 2009 12:58:30 PM	MST	CO-FTC	U.S. Forest Service	CO-ARF	MICHELSEN, MARK (CO-FTC)	Mar 21, 2009 8:00:00 AM	MST	Mar 21, 2009 9:00:00 AM	MST	ETD / ETA	
99027	Overhead		1918092	Apr 3, 2009 4:57:26 PM	MST	1	Overhead	SINGLE ENGINE AIR TANKER MANAGER	SEMG	Apr 4, 2009 8:00:00 AM	Apr 3, 2009 6:09:48 PM	MST	CO-FTC	U.S. Forest Service	CO-ARF	MICHELSEN, MARK (CO-FTC)	Apr 4, 2009 8:00:00 AM	MST	Apr 4, 2009 8:00:00 AM	MST	ETD / ETA	
99027	Overhead		1919512	Apr 10, 2009 12:16:44 PM	MST	1	Overhead	SINGLE ENGINE AIR TANKER MANAGER	SEMG	Apr 11, 2009 9:00:00 AM	Apr 10, 2009 6:39:17 PM	MST	CO-FTC	U.S. Forest Service	CO-ARF	MICHELSEN, MARK (CO-FTC)	Apr 11, 2009 9:00:00 AM	MST	Apr 11, 2009 9:05:00 AM	MST	ETD / ETA	
99027	Overhead		1938145	May 11, 2009 2:51:49 PM	MST	1	Overhead	SINGLE ENGINE AIR TANKER MANAGER	SEMG	May 9, 2009 9:30:00 AM	May 11, 2009 3:29:59 PM	MST	CO-FTC	U.S. Forest Service	CO-ARF	MICHELSEN, MARK (CO-FTC)	May 9, 2009 9:00:00 AM	MST	May 9, 2009 9:05:00 AM	MST	ETD / ETA	
99027	Overhead		2062698	Jul 30, 2009 12:21:57 PM	MST	1	Overhead	SINGLE ENGINE AIR TANKER MANAGER	SEMG	Aug 4, 2009 9:00:00 AM	Jul 30, 2009 8:11:14 PM	MST	CO-MTC	Bureau of Land Management	CO-MRD	Gellhausen, Jeffrey T (CO-MTC)	Aug 4, 2009 7:30:00 AM	MST	Aug 4, 2009 9:00:00 AM	MST	ETD / ETA	AOV

Inc Number: CO-CSO-000001

Inc Name: SEVERITY COLORADO STATE DIRECTOR

Inc ID	Parent Req Catalog Name	Parent Req Number	Req ID	Order Date	Order Date TZ Code	Qty Requested	Req Catalog Name	Req Catalog Item Name	Req Catalog Item Code	Need Date	Assign Date	Assign Date TZ Code	Filled by Org Unit Code	Res Prov Agency	Res Prov Org Unit Code	Resource Assigned	Mob ETD	Mob ETD TZ Code	Mob ETA	Mob ETA TZ Code	Mob Travel	Mob Travel Mode
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Scenario # 4: Archive Data – Resources	
Reporting Question(s)	ROSS Data Setup
<ol style="list-style-type: none"> 1. What assignment has a resource been assigned to over time? 2. How many and what assignments has the resource been on over the selected time period? 3. Utilize the report to verify with the SOR for the resource qualification and ensure the qualification minimums are met. 	<p>Not applicable.</p>
<p>Actions in ROSS ARH:</p> <ol style="list-style-type: none"> 1. Create Filter on Resources > Resources > Res Name = <select a resource from your GACC>, and select prompt every time the report runs. 2. Create Filter on Requests > Assignment > Assign Date = On or after 01/01/09, and select prompt every time the report runs. 3. Add Incidents > Incidents > Organization folder > Inc GACC Org Unit Code, Inc Disp Org Unit Code, Inc Number, Inc Name, and Inc Type (in that order). 4. Add Requests > Requests > Req Number. 5. Add Requests > Catalog - Filled > Filled Catalog Item Name. 6. Add Requests > Assignment > Res Qual Status - Assign, Res Prov Org Unit Code, and Assignment Name (in that order). 7. Add Requests > Assignment > Mobilization folder > Mob ETD. 8. Add Requests > Assignment > Demobilization folder > Demob ETA. 9. Add Requests > Assignment > Calculations folder > Days Assigned. 10. Add Requests > Financial Code > Req Fin Code. 11. Add Resources > Resources History > Res Name*. 12. Add Resources > Resources > Organizations folder > Res Disp Org Name and Res GACC Org Name (in that order). 13. Select Res GACC Org Name, Res Disp Org Name, and Res Name, and then Section the report. 14. Save the report to 'My Folders'. <p><u>Continue to next page for Report Solution.</u></p>	

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Scenario # 4: Archive Data – Resources (cont.)

Report Solution:

Resource Assignment History By Resource Name and Year

Sorted by GACC, Dispatch, Resource Name

Resource Name: Papke, Gina, PAPKE, GINA AND Assign Date: On or after Jan 1, 2009 12:00 AM
 Mob ETD: Ascending order

Resource GACC: Northwest Coordination Center

Resource Dispatch: Columbia Cascade Communication Center

Resource Name: Papke, Gina

Inc GACC	Inc Disp	Inc Number	Inc Name	Inc Type	Req Number	Filled Catalog Item Name	Res Qual Status - Assign	Assignment Name	Res Prov	Mob ETD	Demob ETA	Days Assigned	Req Fin Code
OR-NWC	OR-NWC	OR-NWC-000001	NWC - OPERATIONS SUPPORT 2011	Fire - Wildfire	O-3	SUPERVISORY DISPATCHER	QUALIFIED	Papke, Gina (WA-CCC)	WA-GPF	6/9/11	6/10/11	2	WGESX5 0627
OR-NWC	OR-BIC	OR-MAF-010047	2011 ABCD MISC	Fire - Wildfire	O-10	SUPPORT DISPATCHER	QUALIFIED	Papke, Gina (WA-CCC)	WA-GPF	8/25/11	8/25/11	1	P6EK2D
OR-NWC	OR-NWC	OR-NWC-000001	NWC - OPERATIONS SUPPORT 2011	Fire - Wildfire	O-16	SUPERVISORY DISPATCHER	QUALIFIED	Papke, Gina (WA-CCC)	WA-GPF	8/26/11	9/10/11	16	WGESX5 0627

Mar 2, 2012 - 1 - 3:36:40 PM

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Scenario # 5: Look Up History Data – Resources	
Reporting Question(s)	ROSS Data Setup
1. What was a resource’s Dispatch at the time of assignment?	Not applicable.
<p>Actions in ROSS ARH:</p> <p>Use the Resources History items in conjunction with Assignments to get information, in this case Resource's Dispatch, at the time the resource was assigned. (Res Disp Org Name from Resources will always show the current dispatch, but Res Disp Org Name^ from Resources History will show the dispatch at time of assignment).</p> <ol style="list-style-type: none"> 1. Add Resources > Resources History > Organizations folder > Res Disp Org Name^. 2. Filter on Res Disp Org Name^ and select prompt every time the report runs. 3. Add Requests > Assignment > Assign Date. 4. Filter on Assign Date and select prompt every time the report runs. 5. Select Assign Date column and select Delete, un-check filter on this column and select ok. The column should no longer display on the report, but the filter on the column should remain. 6. <u>Add Filled Catalog\Category\Catalog Item (Req) filter = <select catalog, category, and catalog item for your area>.</u> 7. Add Incidents > Incidents > Inc Calendar Year. 8. Add Resources > Resources > Organization folder > Res Disp Org Name. 9. Add Requests > Catalog - Filled > Filled Catalog Name. 10. Add Resources > Resources > Res Name. 11. Select Inc Calendar Year, Res Disp Org Name, Filled Catalog Name, and Res Name, and then Section the report. 12. Add Incidents > Incidents > Organizations folder > Inc GACC Org Unit Code and Inc Disp Org Unit Code (in that order). 13. Add Incidents > Incidents > Inc Type. 14. Add Requests > Catalog - Filled > Filled Catalog Item Name. 15. Add Requests > Assignment > Assignment Name, Res Qual Status – Assign, and Res Prov Org Unit Code (in that order). 16. Add Resources > Resources > Vendor Owned Flag. 17. Add Requests > Assignment > Mobilization folder > Mob ETD. 18. Add Requests > Assignment > Demobilization folder > Demob ETA. 19. Add Requests > Assignment > Calculations folder > Days Assigned. 20. Add Requests > Financial Code > Req Fin Code. 21. Save the report to ‘My Folders’ <p><u>Continue to next page for Report Solution.</u></p>	

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Scenario # 5: Look Up History Data – Resources (cont.)

Report Solution:

RESOURCE ASSIGNMENT HISTORY

By Resource Dispatch at Time of Assignment

Res Disp Org Name*: Pueblo Interagency Dispatch Center, Durango Interagency Dispatch Center AND Assign Date: Between Jan 1, 2011 12:00 AM and Oct 31, 2011 11:59 PM AND Filled Catalog/Category/Catalog Item (Req)

Inc Calendar Year: 2010

Resource Dispatch: National Interagency Coordination Center

Filed Catalog Name: Aircraft

Resource Name: HELICOPTER - T2S - 28HX

Inc GACC	Inc Disp	Inc Type	Filed Catalog Item Name	Assignment Name	Res Qual Status - Assign	Res Prov Org Unit Code	Vendor Owned Flag	Mob ETD	Demob ETA	Days Assigned	Req Fin Code
GA-SAC	TX-TIC	Fire - Wildfire	Helicopter, Type 2 Standard	HELICOPTER - T2S - 28HX		ID-PCF	Yes	8/19/11	10/3/11	46	PNFYH4_1502
GA-SAC	MS-MIC	Fire - Wildfire	Helicopter, Type 2 Standard	HELICOPTER - T2S - 28HX (ID-NIC)		ID-PCF	Yes	3/25/11	3/30/11	6	PSEK22 (0807)
GA-SAC	TX-TIC	Fire - Wildfire	Helicopter, Type 2 Standard	HELICOPTER - T2S - 28HX (ID-NIC)		ID-PCF	Yes	4/20/11	4/20/11	1	PNFYH4_1502
GA-SAC	TX-TIC	Fire - Wildfire	Helicopter, Type 2 Standard	HELICOPTER - T2S - 28HX (ID-NIC)		ID-PCF	Yes	4/27/11	5/4/11	8	PNFYH4_1502

Inc Calendar Year: 2011

Resource Dispatch: Louisiana Interagency Coordination Center

Filed Catalog Name: Aircraft

Resource Name: HELICOPTER - T3S - N722LM - BELL 206 L4

Inc GACC	Inc Disp	Inc Type	Filed Catalog Item Name	Assignment Name	Res Qual Status - Assign	Res Prov Org Unit Code	Vendor Owned Flag	Mob ETD	Demob ETA	Days Assigned	Req Fin Code
CO-RMC	CO-PBC	Fire - Wildfire	Helicopter, Type 3 Standard	HELICOPTER - T3S - N722LM - BELL 206 L4		CO-MVP	Yes	5/31/11	6/5/11	6	PNF39V
CO-RMC	CO-PBC	Fire - Wildfire	Helicopter, Type 3 Standard	HELICOPTER - T3S - N722LM - BELL 206 L4		CO-MVP	Yes	6/28/11	6/29/11	2	PNF39V (1502)
CO-RMC	CO-GCC	Fire - Wildfire	Helicopter, Type 3 Standard	HELICOPTER - T3S - N722LM - BELL 206 L4		CO-MVP	Yes	7/25/11	7/27/11	3	P2EKL0 (0204)
UT-EBC	UT-MFC	Fire - Wildfire	Helicopter, Type 3 Standard	HELICOPTER - T3S - N722LM - BELL 206 L4		CO-MVP	Yes	8/7/11	8/10/11	4	P4EKW6 (0410)
CO-RMC	CO-DRC	Fire - Wildfire	Helicopter, Type 3 Standard	HELICOPTER - T3S - N722LM - BELL 206 L4		CO-MVP	Yes	8/11/11	8/11/11	1	PAP9JA (1502)
UT-EBC	UT-MFC	Fire - Wildfire	Helicopter, Type 3 Standard	HELICOPTER - T3S - N722LM - BELL 206 L4		CO-MVP	Yes	9/3/11	9/4/11	2	GEB2
MT-NRC	MT-BRC	Fire - Wildfire	Helicopter, Type 3 Standard	HELICOPTER - T3S - N722LM - BELL 206 L4		CO-MVP	Yes	9/7/11	9/18/11	12	P4GA5T 0413
GA-SAC	SC-SCC	Fire - Wildfire	Helicopter, Type 3 Standard	HELICOPTER - T3S - N722LM - BELL 206 L4		SC-RMF	Yes	3/24/11	3/26/11	3	
CO-RMC	CO-DRC	Fire - Wildfire	Helicopter, Type 3 Standard	HELICOPTER - T3S - N722LM - BELL 206 L4 (LA-LIC)		CO-MVP	Yes	6/30/11	7/1/11	2	
CO-RMC	CO-DRC	Fire - Wildfire	Helicopter, Type 3 Standard	HELICOPTER - T3S - N722LM - BELL 206 L4 (LA-LIC)		CO-MVP	Yes	8/24/11	8/30/11	7	PAGB6M (1502)

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Scenario # 6: Tracked History Data – Requests																				
Reporting Question(s)			ROSS Data Setup																	
1. What was a resource’s qualification status at the time of assignment?			None if resource ‘Debbie A. Bellew’ or ‘Christopher M. Barth’ exists in the environment being used for training. Only if neither resource exists must the following be performed: <ol style="list-style-type: none"> 1. Create an incident. 2. Create a CRWB request, with Trainee Acceptable, on the incident. 3. Assign a resource (create if necessary) with a CRWB qualification having a status of Trainee to the request. 4. Update the resource’s CRWB qualification to a status of Qualified. 																	
<p>Actions in ROSS ARH:</p> <ol style="list-style-type: none"> 1. Filter on Resources > Resources > Res Name for ‘Debbie A. Bellew’ and ‘Christopher M. Barth’. 2. Add Resources > Resources > Res Name. 3. <u>Only if the steps in the ROSS Data Setup section were necessary:</u> Filter on Incidents > Incidents > Inc Name for the incident created in the ROSS Data Setup. 4. Add Incidents > Incidents > Inc Name and Inc Number (in that order). 5. Add Requests > Assignment > Assign Date. 6. Add Requests > Requests > Req Number. 7. Add Requests > Assignment > Res Qual Status Code - Assign and Res Qual Status - Assign (in that order). 8. Add Requests > Catalog - Filled > Filled Catalog Item Name. <p>Report Solution:</p> <table border="1" data-bbox="304 1177 1795 1307"> <thead> <tr> <th>Res Name</th> <th>Inc Name</th> <th>Inc Number</th> <th>Assign Date</th> <th>Req Number</th> <th>Res Qual Status Code - Assign</th> <th>Res Qual Status - Assign</th> </tr> </thead> <tbody> <tr> <td>Smith, Sally</td> <td>WILDFIRE ONE LM-6A2</td> <td>DO-NOT-000002</td> <td>Mar 6, 2012 2:24:59 PM</td> <td>O-1</td> <td>T</td> <td>TRAINEE</td> </tr> </tbody> </table>							Res Name	Inc Name	Inc Number	Assign Date	Req Number	Res Qual Status Code - Assign	Res Qual Status - Assign	Smith, Sally	WILDFIRE ONE LM-6A2	DO-NOT-000002	Mar 6, 2012 2:24:59 PM	O-1	T	TRAINEE
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Appendix C

Scenario # 7: Tracked History Data – Resources													
Reporting Question(s)	ROSS Data Setup												
1. Confirm that a resource’s qualification status was updated at the time of assignment?	None – follow on to the previous scenario.												
<p>This is a follow on to the previous scenario, and involves demonstrating that the resource’s qualification status was updated from Trainee (the status at time of assignment) to Qualified. Note the Audit Date is the system date and time, whereas the Assign Date is the date and time in the Incident timezone.</p> <p>Actions in ROSS ARH:</p> <p>Develop a new report:</p> <ol style="list-style-type: none"> 1. Filter on Resources > Resources > Res Name for the resource used in the previous scenario (Tracked History Data – Requests). 2. Add Resources > Resources > Res Name. 3. Add Resources > Qualification History > Qual Status^, Audit Date*, and Audit Type* (in that order). 4. Sort on Audit Date* (ascending). 5. Add Resources > Qualification History > Catalog Item Code^. 6. Filter on Resources > Qualification History > Catalog Item Code^ for CRWB. <p>Report Solution:</p> <table border="1"> <thead> <tr> <th>Res Name</th> <th>Qual Status^</th> <th>Audit Date*^</th> <th>Audit Type*</th> </tr> </thead> <tbody> <tr> <td>Smith, Sally</td> <td>TRAINEE</td> <td>Mar 6, 2012 3:22:54 PM</td> <td>UPDATE</td> </tr> <tr> <td>Smith, Sally</td> <td>QUALIFIED</td> <td>Mar 6, 2012 3:25:26 PM</td> <td>UPDATE</td> </tr> </tbody> </table>		Res Name	Qual Status^	Audit Date*^	Audit Type*	Smith, Sally	TRAINEE	Mar 6, 2012 3:22:54 PM	UPDATE	Smith, Sally	QUALIFIED	Mar 6, 2012 3:25:26 PM	UPDATE
Res Name	Qual Status^	Audit Date*^	Audit Type*										
Smith, Sally	TRAINEE	Mar 6, 2012 3:22:54 PM	UPDATE										
Smith, Sally	QUALIFIED	Mar 6, 2012 3:25:26 PM	UPDATE										

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REVISION LOG

Rev #	Date	Revision(s)	Author
D013	03-01-14	Refreshed labeling for ROSS release 2.16.1.	J. Vahl
D012	12-31-13	Refreshed labeling for ROSS release 2.16.	J. Vahl
D011	02-07-13	<ul style="list-style-type: none"> • Added line spacing to Outline section. • Added 3rd level in Table of Contents for Unit 3 topics. 	J. Vahl
D010	06-20-12	<ul style="list-style-type: none"> • Moved ROSS ARH Overview topics from an Appendix into the Outline section. • Removed concept of a 'Pre-Course Overview'. 	J. Vahl
D009	05-02-12	<ul style="list-style-type: none"> • Appendix A: ROSS ARH – Pre-Course Overview: <ul style="list-style-type: none"> – Added a Table of Contents. – Added section 3 ('Are there Standard historical reports?'). – Added note regarding Res Qual Status – Assign query items. – Added rules to Calculations section. – Added assumptions behind 'Commitment Start Date' and 'Commitment Start Date Excluding Initial Travel'. – Added note about pre-configured filters in main subject areas. • Minor updates to Instructor Scenarios 3, 4, 5, and 6. 	J. Vahl
D008	04-23-12	Updated Instructor Scenarios 3 and 4.	J. Vahl
D007	04-11-12	<p>Incorporated feedback from 04-05-12 dry-run:</p> <ul style="list-style-type: none"> • Removed sections identifying the Archive & History query items in the Integrated subject areas. This will instead be addressed by the Instructor as part of the scenario demonstrations. Moved key information from those sections into a new section (7d – Data Changes and Relationships) of the Appendix A Overview. • Removed sections related to identifying the Archive & History query items in the Independent subject areas. • Standardized terminology around words 'Archive' and 'History' when referring to the two major types of ARH data (this impacted objectives, section titles, scenario titles, etc.) • Added Lead Instructor responsibilities to: <ul style="list-style-type: none"> – Add students to the ARH Package Security for the environment in which training will be conducted. – Select practice scenarios pertinent to the students. • Added detail to Topic 2–1: Course Overview. • Removed majority of text and slides related to Topic 3-1: ROSS ARH Overview. • Removed the Student Practice Scenarios. • Added detail to Topic 7-1: Student Practice. • Appendix A Overview: <ul style="list-style-type: none"> – Converted to Landscape format. – Added example of Incident List by Agency Host report after being run against ROSS ARH data package. – Removed text related to Hist ID* query items. – Expanded Figure 1 to include all Tracked and Look Up History query items 	J. Vahl

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Rev #	Date	Revision(s)	Author
		<ul style="list-style-type: none"> - Updated examples in section 7b (History Data). - Added section 7d (Data Changes and Relationships). - Added new 'Potential Problems when Re-Directing a Report to the ROSS ARH Data Package' subsection under 8a, and identified AR pre-configured filters that do not exist in ARH. • Updated Appendix B Instructor Scenarios. • Propagated updates to Slides and Student Workbook. 	
D006	03-21-12	<ul style="list-style-type: none"> • Restructured report demonstrations in Outline section into following three sequential stages (and associated Instructor scenarios): <ul style="list-style-type: none"> - Building Multi-Year Reports using Archive Data (4 Multi-Year scenarios). - Using Look Up History Query Items (1 Look Up scenario). - Using Tracked History Query Items (2 Ad Hoc scenarios). • Updated course Objectives. • Updated Presentation Methods to reflect students now perform same scenarios as instructor, and removed Individual Student Practice Scenarios. • Updated student pre-requisites. • Updated Lead Instructor responsibilities. • Removed pre-course skill level assessment. • Remove pre-course phone screening of prospective students. • Removed demonstration of Independent Subject Areas. • Renamed Group Student Practice scenarios to Student Practice scenarios. • Removed Student Practice scenarios related to Independent Subject Areas. • Updated format of Outline section for consistency with new IG design used for NAP, OIS, and ROSS 3.0. • Propagated updates to Slides and Student Workbook. • Added a slide for Course Purpose. • Re-formatted the Student Workbook for consistency with Instructor Guide 	J. Vahl
D005	11-15-11	<ul style="list-style-type: none"> • Updated 'Res Qual Status Code' to 'Res Qual Status Code – Assign'. • Added text and screen captures to Appendix B (Overview) section 8.a. regarding the message that can display when re-directing a report to ROSS ARH. 	J. Vahl
D004	10-25-11	Incorporated feedback from demonstration session with SMEs.	J. Vahl
D003	10-23-11	Incorporated feedback from demonstration session with REQ group.	J. Vahl
D002	10-19-11	Incorporated Beth, Rex, and Madeline D001 review comments.	J. Vahl
D001	10-18-11	Incorporated Madeline and Rex D000 review comments.	J. Vahl
D000	09-01-11	Initial draft.	J. Vahl