



ROSS Analytical Reports Historical

Student Workbook
Release 2.16.12

For ROSS Steady State
Operations & Maintenance



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1 COURSE OUTLINE

1.1 Unit 1: Class Administration



1.2 Unit 2: Course Overview

1. Course Purpose.

2. Course Objectives.

3. Course Description.

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.

4. Presentation Methods.

- 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.

5. Student Responsibilities.

- a. Actively participate in class discussions and scenarios.
- b. Ask for clarification and guidance as appropriate from instructors.
- c. Maintain an open minded and flexible outlook.

d. Take notes on course material as appropriate.

e. Complete a Course Evaluation form.

6. Student Evaluation.

a. Instructors assess student competency during scenarios by observing students as they:

- Plan the steps necessary to answer the scenario's reporting question(s).

- Develop the report.

- Validate and interpret report results.

b. At end of the course, instructors recommend whether the student should be granted ROSS ARH access.

7. Course Schedule.

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.

8. Student Workbook.

9. Student Expectations.

1.3 Unit 3: ROSS ARH Overview

1.3.1 Topic 3-1: ROSS ARH versus ROSS AR

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).

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.

1.3.2 Topic 3–2: Reporting Questions Answered by ROSS ARH

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:

2. From a **Management** perspective:
 - a. What incidents occurred over the past three years, by state and year?

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?

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 $\frac{1}{2}$ year on a contract with one dispatch and the second $\frac{1}{2}$ of the year on a contract at another dispatch. How many times did the helicopter go on assignment for each dispatch during the year?

b. A resource has been on three consecutive assignments. What is the resource's Days Currently Committed?

1.3.3 Topic 3–3: Standard Historical Reports

1. The following historical versions of the Resource Order Form are available in the Standard Reports (Historical) folder:
 - 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.

1.3.4 Topic 3–4: Effect of ROSS ARH on Existing Query Studio Reports

1. An existing current-year report can be converted to include archive and tracked data (the process is discussed later).

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.

3. However, if a particular report item does not exist in the ARH package, the column is dropped from the report.

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.

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AGENCY INCIDENT LIST

Sorted by Agency Host, Incident Host and Calendar Year

📌 Inc Agency Org Name\Inc Host Org Name (Inc) AND Incident Calendar Year: Between 2009 and 2010

Incident Agency: U.S. Forest Service

Incident Host: Columbia River Gorge National Scenic Area

Incident Calendar Year: 2009

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

Incident Calendar Year: 2010

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

1.3.5 Topic 3–5: Accessing ROSS ARH

1. If you are running an existing historical report, open it from the User Community folder or your personal folder in Cognos Connection as usual.

2. If you are developing a new historical report, click on the ROSS ARH data package link in Query Studio.

1.3.6 Topic 3–6: ROSS ARH Data Dictionary

1. A separate ROSS ARH Data Dictionary is available via the Analytical Reports link on the ROSS home page.

1.3.7 Topic 3-7: Limitations of ROSS ARH

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.
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).
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).

1.3.8 Topic 3–8: ROSS ARH Data Package: Archive and History Data

1. The majority of query items available in the ROSS AR (Current Year) data package are also available in the ROSS ARH data package.

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.

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).

4. Report transformations were run against the User Community reports to update the reports with these, and other necessary, changes.

5. **ARCHIVE Data**

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 have access to more years of data.

b. The 'archive data' query items reside in the query subjects that do not contain the word 'History' (e.g., Resources > Resource Status versus Resources > Resource Status History).

c. 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:

- Res Qual Status – Assign (Look Up query item).

- Res Qual Status Code – Assign (Tracked query item).

d. Also note the following with respect to the Res Qual Status – Assign query items:

- 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.

e. Appendix A identifies the History query items (Tracked and Look Up) in ROSS ARH.

1.3.9 Topic 3–9: History Data: Tracked Query Items

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.
2. ROSS ARH specifically stores the attribute's previous values in the database. An example is Res Name* (from Resources > Resources History).
3. These query items display the attribute's value as it existed when the transaction was recorded.
4. 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. For example, changing a resource's Card Expiration Date* and Quickfill Flag* values in ROSS generates a single change record.

5. To illustrate a tracked query item, assume:
 - 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.

6. Changes to a resource's name are tracked. Therefore, if the Res Name* query item is added to a report:

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

- 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.

7. Audit Date* and Audit Type* Tracked History Query Items:

- 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.
- b. These query items can be added to a report to provide information about when and why a transactional record was created.
- 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.

8. The following values can display in the Audit Type* column:

- a. INSERT: The value was entered into ROSS.
- b. UPDATE: The value was updated in ROSS.
- c. DELETE: The value was deleted from ROSS.

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- 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).

- e. ARCH09: The attribute's value at the point-in-time the 2009 ROSS annual archive was performed.

- f. ARCH10: The attribute's value at the point-in-time the 2010 ROSS annual archive was performed.

9. The following graphic depicts the Audit Date* and Audit Type* query items added to the Quincy Jay Jones/Smith example:

Res Name*	Audit Date* ^Δ	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

10. Note that the Audit Date* and Audit Type* columns reflect changes to any of the query items within the query subject. The Audit Date* and Audit Type* values might not correspond to the columns currently displayed on a report – they may be associated with a change to another query item, from the same query subject, that has not been added to the report.

11. For example, consider the following report result for Quincy Jay Smith:

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

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.

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.

1.3.10 Topic 3–10: History Data: Look Up Query Items

1. **Look Up (^)** – These query items provide the current value of attributes related to the tracked query items.
2. When the value of a tracked query item changes, a unique ID is assigned.
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”).
4. An example is Res Disp Org Name^ (from Resources > Resources History > Organizations).
5. 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.

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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).

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

7. Quincy Jay was transferred to Pueblo Interagency Dispatch Center (with a Disp ID of 8).

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

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).

9. The name of Pueblo Interagency Dispatch Center was changed to Southern Colorado Dispatch Center.

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

- 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).

- 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.

1.3.11 Topic 3–11: Calculations

1. Calculations are grouped within 'Calculations' folders.

2. Appendix B identifies the pre-defined calculation query items available in the Integrated Subject Areas of the ROSS ARH data package.

3. The Resource calculations are based on the following assumptions.

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).
- 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.

5. **Committed Resource** – A resource with one of the following statuses:

- 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.

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.

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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:

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

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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:

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

1.3.12 Topic 3–12: Data Changes and Relationships

1. Data Changes: Resources Subject Area:

- 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.

2. Data Changes: Requests Subject Area: The following new query items were added to the **Requests > Assignment** query subject:

- 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).

- 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).

3. **Relationships:**

- a. A Request record is associated with the Incident History record that reflects the Incident information at the time the request was created.

- b. A Request record is associated with the Resource History record that reflects the Resource information at the time of assignment.

- c. Other History Query Subjects are associated with the 'current' object, not the 'history' object. For example: Resource Status History ties to Res Name from Resources, not to Res Name* from Resources History.

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.

1.3.13 Topic 3–13: Converting a Current Year Report into an Historical Report

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.

2. Follow these steps:
 - a. Make a copy of the existing report (not a Report View).

 - b. Paste the copy in the appropriate folder.

 - c. Edit the Properties of the copy as follows:
 - 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.

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.

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.

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.

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.

Report Definition

Provides the expression for each report item.

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]

7. If the report contains a **pre-configured filter** from ROSS AR that does not exist in ROSS ARH, the report will not run.
- An example is re-directing the Resources > Assignment History > Aircraft Assignment History by GACC and Dispatch report.
 - The report contains the Assignment History pre-configured filter, which does not exist in ROSS ARH.

c. The user must remove the pre-configured filter from the report prior to pointing it to the ROSS ARH data package.

8. The following ROSS AR pre-configured filters do not exist in ROSS ARH:

a. Resources > Assignment History.

b. Resources > Current Status.

c. Resources > Exclude Non-Existing Requests.

1.3.14 Topic 3–14: Running and Building Reports in ROSS ARH

1. 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.

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.

3. However, when building or editing a ROSS ARH report in Query Studio, it is important to perform the following.
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.
5. Add filters to the report prior to adding any query items.
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.
7. Always anticipate the effects of adding the next query item, and filter the existing data first if appropriate.

1.4 Unit 4: Archive Data Scenarios

Scenario # 1: Archive Data – Convert Current Year Report to Multi-Year

Scenario # 2: Archive Data – Incidents

Scenario # 3: Archive Data – Requests

Scenario # 4: Archive Data – Resources

1.5 Unit 5: Look Up History Data Scenarios

Scenario # 5: Look Up History Data – Resources

1.6 Unit 6: Tracked History Data Scenarios

Scenario # 6: Tracked History Data – Requests

Scenario # 7: Tracked History Data – Resources

1.7 Unit 7: Student Practice



1.8 Unit 8: Wrap Up

Course Objectives Review.

Ask remaining questions.

Any unmet expectations?

Please fill out the course evaluation and clean your workspace.

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APPENDIX A: HISTORY QUERY ITEMS

The following table identifies the History query items (Tracked and Look Up) in ROSS ARH:

<i>Integrated Subject Areas</i>			
Subject Area	Query Subject	Tracked History Query Items	Look Up History Query Items
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^
	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.
	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^

ROSS Analytical Reports Historical

Resources

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^
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^

APPENDIX B: CALCULATIONS

The following table identifies the pre-defined calculation query items available in the Integrated Subject Areas of the ROSS ARH data package. Calculations are grouped within 'Calculations' folders.

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.

ROSS Analytical Reports Historical

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>	


ROSS Analytical Reports Historical

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

Appendix C

Scenario # 2: Archive Data – Incidents	
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 develop a new Incident List by Agency Host and Year report:</p> <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'. <p><u>Continue to next page for Report Solution.</u></p>	


ROSS Analytical Reports Historical

Appendix C

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

Appendix C

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). 	

Appendix C

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.

Appendix C

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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Appendix C

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. 	Not applicable.
<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>	

ROSS Analytical Reports Historical

Appendix C

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

Report Solution:

Resource Assignment History for Selected Resource Item by 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	WGE5X5 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	WGE5X5 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>	

ROSS Analytical Reports Historical

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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	PBEK22 (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-GIC	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	PAG6M (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="302 1175 1793 1308"> <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
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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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										