



Air Force Space Command Space and Missiles Systems Center (AFSPC/SMC)

Space Enterprise User Experience Design System (UXDS)

Design Guidance And Specifications For Ground Resource Management (GRM) Service

March 29, 2019

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Overview

Overview

The GRM App Suite provides space situational awareness to the operator by consolidating and surfacing the most important information related to contacts and equipment in the Dashboard application. In addition to this primary usage, the application suite provides a comprehensive set of secondary tasks for managing contacts and equipment in the Schedule and Equipment Manager applications.

Schedule

- View the full schedule of contacts via a timeline or list representation
- Filter schedule view to specific ground stations, satellite vehicles, and more
- View and modify individual contacts
- Add new contacts

Dashboard

- View and investigate all alerts related to GRM, whether contact or equipment based
- View high level data related to contact allocation and execution, equipment health, and more

Equipment Manager

- View and manage the inventory of ground equipment
- Schedule and monitor maintenance for individual equipment

User & Use Case

A common user role and use case was identified in order to understand and organize GRM system requirements, as well as to ensure that users can effectively and efficiently accomplish task requirements within their respective roles.

User

The Ground Systems Operator (GSO) describes the most basic user of the GRM. The GSO role may be defined differently from one organization to another and so levels of expertise are varied and therefore not explicitly defined.

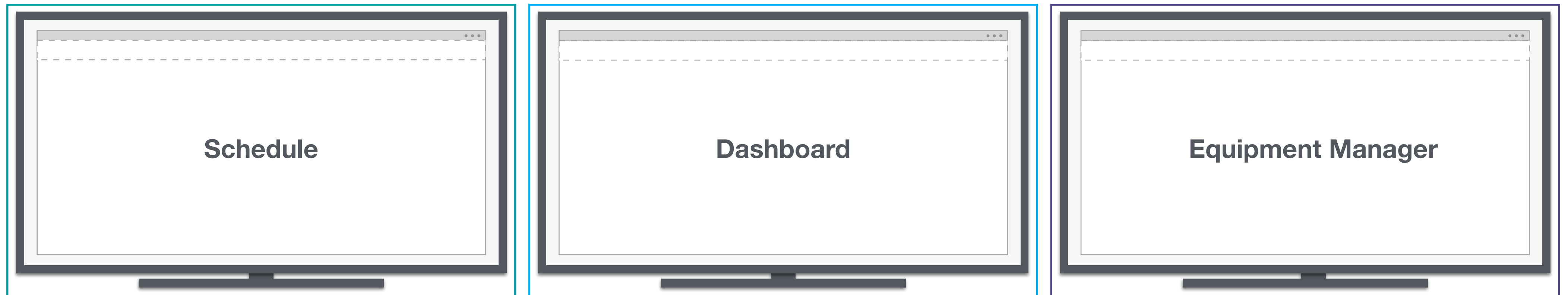
This user may be responsible for multiple systems and a higher scale of operations in a future environment of automation and consolidation.

Use Case

The primary use case that helped to identify, clarify, and organize system requirements was centered around the task of investigating and resolving an alert.

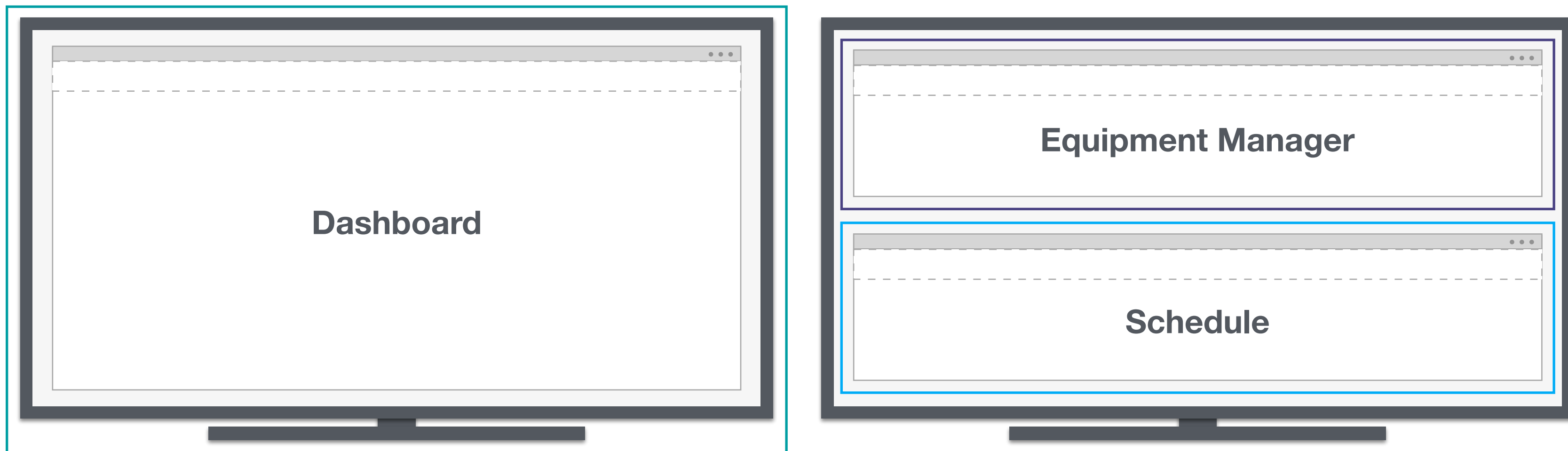
Application Paradigm - Multi-Display Setup

The Dashboard, Schedule, and Equipment Manager applications can be launched and used independently of one another. The diagram below imagines a potential screen configuration for a three-display console. Regardless of the operator's number of displays and screen configuration, the **Dashboard application should be open and unobstructed at all times.**



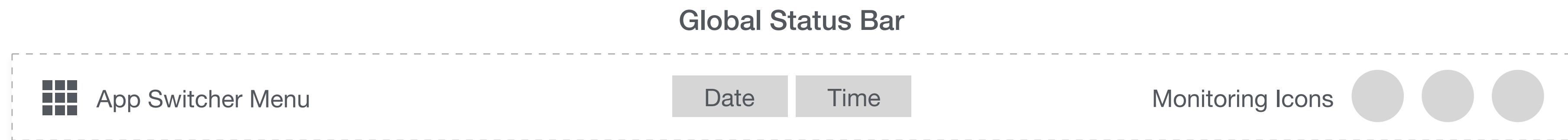
Application Paradigm - Dual-Display Setup

The Dashboard, Schedule, and Equipment Manager applications can be launched and used independently of one another. The diagram below imagines a potential screen configuration for a two-display console. In this configuration, the Dashboard occupies the first full display while the other two applications are resized to fit on the second display. Regardless of the operator's number of displays and screen configuration, the **Dashboard application should be open and unobstructed at all times.**



Application Paradigm - Global Status Bar

The Global Status Bar is a full width view across the top of all of the GRM applications — an area commonly reserved for global status, global command and top-level navigation. The Global Status Bar includes: Application Name, Top Level Navigation, Date & Time, and Monitoring Icons. See the [Astro UXDS guidelines](#) to learn more about the Global Status Bar.



The App Switcher Menu allows the user to launch new instances of different applications, sign in/sign out, and edit preferences.

The application title appears directly to the right of the menu.

Date (DOY) and Time (UTC) appear here across all applications.

Monitoring Icons display the highest level of consolidated data along categories specific to each application. Each Monitoring Icon displays a color associated with the status level and a badge to indicate the number of alerts.

Global Components

Global - App Switcher Menu

Functionality

The App Switcher Menu allows the user to launch new instances of different GRM applications, sign in/sign out, and edit preferences.

GRM DASHBOARD

255 07:11:59 UTC
DATE TIME

GRM Dashboard

GRM Schedule

GRM Equipment Manager

Preferences...

Sign Out...

Severity
Category

		Category	Time
<input type="checkbox"/>	▼	Alert ###	Category #
<input type="checkbox"/>	▼	Alert 123	Category #
<input type="checkbox"/>	▼	Alert ###	Category #
<input type="checkbox"/>	▼	Alert ###	Category #
<input type="checkbox"/>	▼	Alert ###	Category #
<input type="checkbox"/>	▼	Alert ###	Category #
<input type="checkbox"/>	▼	Alert ###	Category #
<input type="checkbox"/>	▼	Alert ###	Category #
<input type="checkbox"/>	▼	Alert ###	Category #
<input type="checkbox"/>	▼	Alert ###	Category #
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<input type="checkbox"/>	▼	Alert ###	Category #
<input type="checkbox"/>	▼	Alert ###	Category #
<input type="checkbox"/>	▼	Alert ###	Category #
<input type="checkbox"/>	▼	Alert ###	Category #
<input type="checkbox"/>	▼	Alert ###	Category #

Acknowledge
Dismiss

Contacts
Equipment

Current Contacts

10
1
9

Contacts
Failed
Executing

Status	IRON	Ground Station	REV	Equipment String
◆	12345	LION-A	#####	ANT4, SLWS6, SB7PLD1, I
◆	54355	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, I
◆	8755	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, I
◆	1234	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, I
◆	9877	LION-A	#####	ANT4, SLWS6, SB7PLD1, I
◆	07654	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, I
◆	56434	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, I
◆	76543	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, I

Contacts Summary

Upcoming (45)
 Executing (9)
 Complete (28)
 Failed (2)

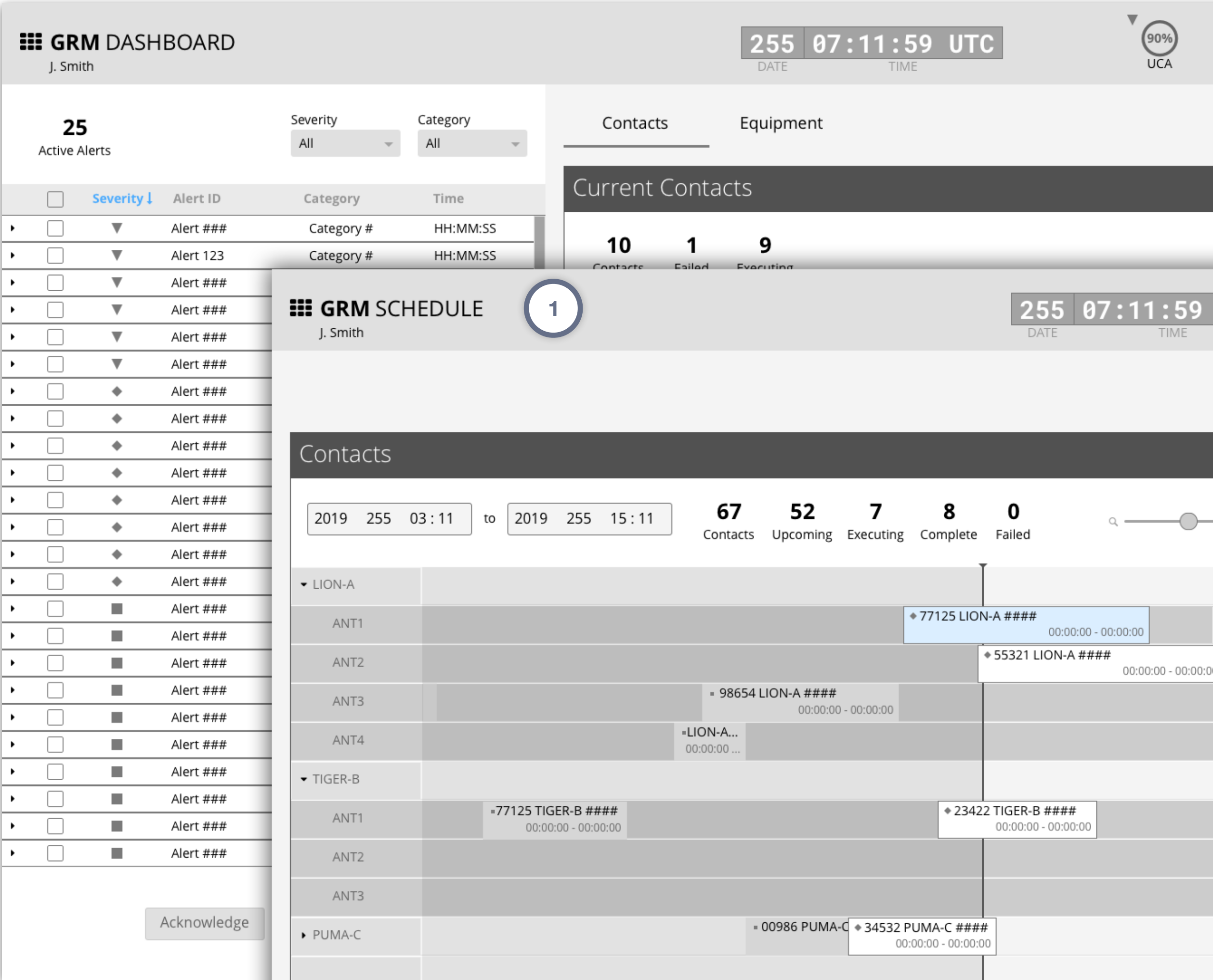
Global - App Switcher Menu

Functionality

The App Switcher Menu allows the user to launch new instances of different GRM applications, sign in/sign out, and edit preferences.

Features & Interactions

1. Upon clicking “GRM Schedule” in the App Switcher Menu, an instance of the application launches in a new browser window.



Global - Monitoring Icons

Functionality

The Global Monitoring Icons display the highest level of consolidated data along categories relevant to their application.

Each GRM application displays a different set of Global Monitoring Icons according to the primary use cases associated with the application.

Dashboard

- Upcoming Contacts Allocated (UCA)** - this value (%) tells the operator what percentage of the full schedule of upcoming contacts has its necessary equipment allocated. For example, if the value is 90%, 10% of upcoming contacts do not have the equipment they need to execute.
- Software, Comms, Digital, Facilities, RF** - these categories of equipment and software provide the operator the status level (color) of each and a count of any associated alerts inside the badge. The number and taxonomy of these category names should be configured by each squadron at set up time.



Global - Monitoring Icons

Functionality

The Global Monitoring Icons display the highest level of consolidated data along categories relevant to their application.

Each GRM application displays a different set of Global Monitoring Icons according to the primary use cases associated with the application.

Schedule

- Upcoming Contacts Allocated (UCA)** - this value (%) tells the operator what percentage of the full schedule of upcoming contacts has its necessary equipment allocated. For example, if the value is 90%, 10% of upcoming contacts do not have the equipment they need to execute.



Global - Monitoring Icons

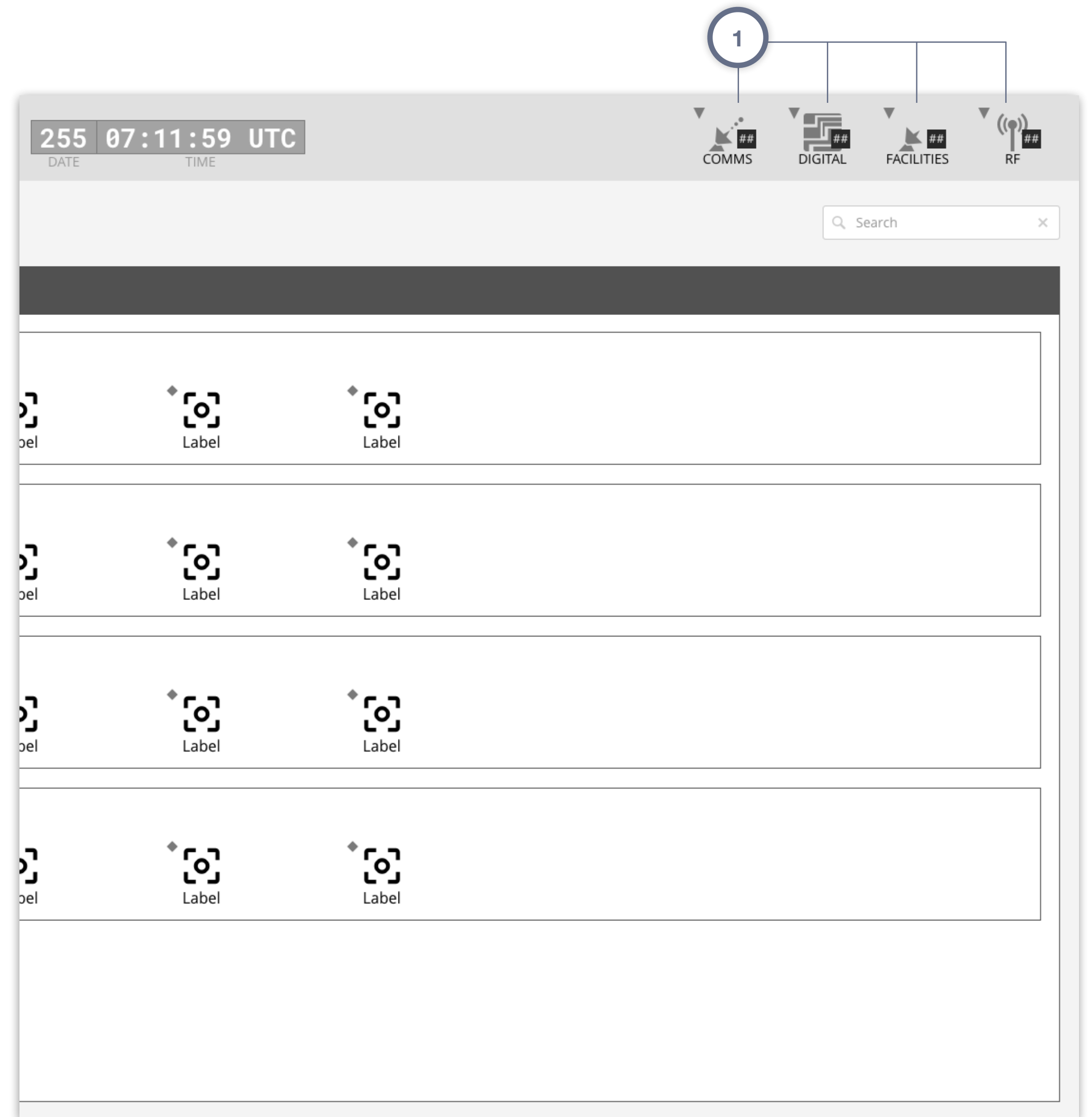
Functionality

The Global Monitoring Icons display the highest level of consolidated data along categories relevant to their application.

Each GRM application displays a different set of Global Monitoring Icons according to the primary use cases associated with the application.

Equipment Manager

1. **Software, Comms, Digital, Facilities, RF** - these categories of equipment and software provide the operator the status level (color) of each and a count of any associated alerts inside the badge. The number and taxonomy of these category names should be configured by each squadron at set up time.



Global - Monitoring Icons - Menu

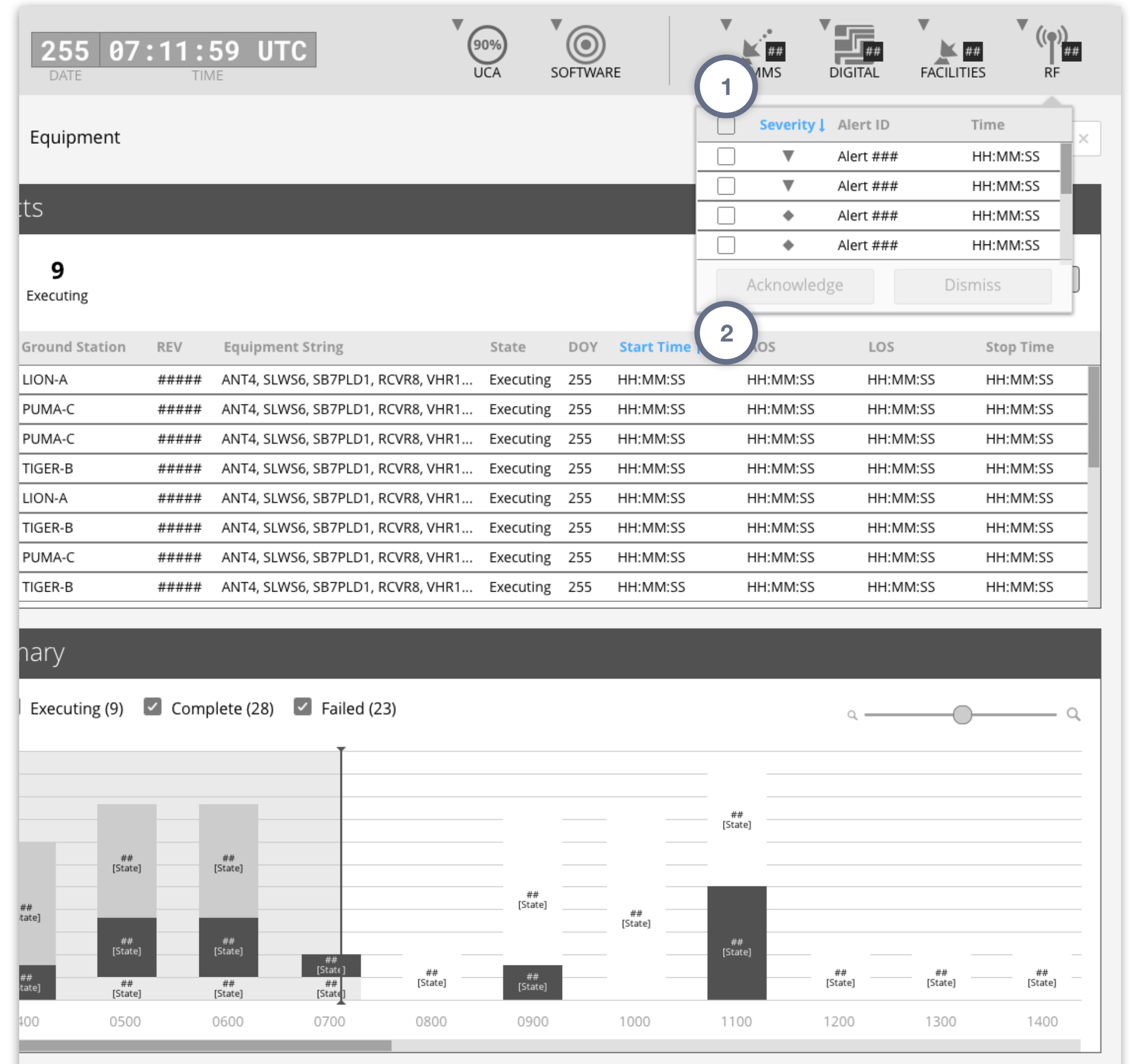
Functionality

The Global Monitoring Icon menu provides the operator a list of alerts according to the category indicated by the Monitoring Icon.

Features & Interactions

- 1. Severity Sort Order**
Sorts alerts by highest to lowest severity.
- 2. Acknowledge/Dismiss Buttons**
Acknowledges or dismisses alerts.

**Further functionality such as recalling dismissed alerts and denoting acknowledged alerts is to be determined.*



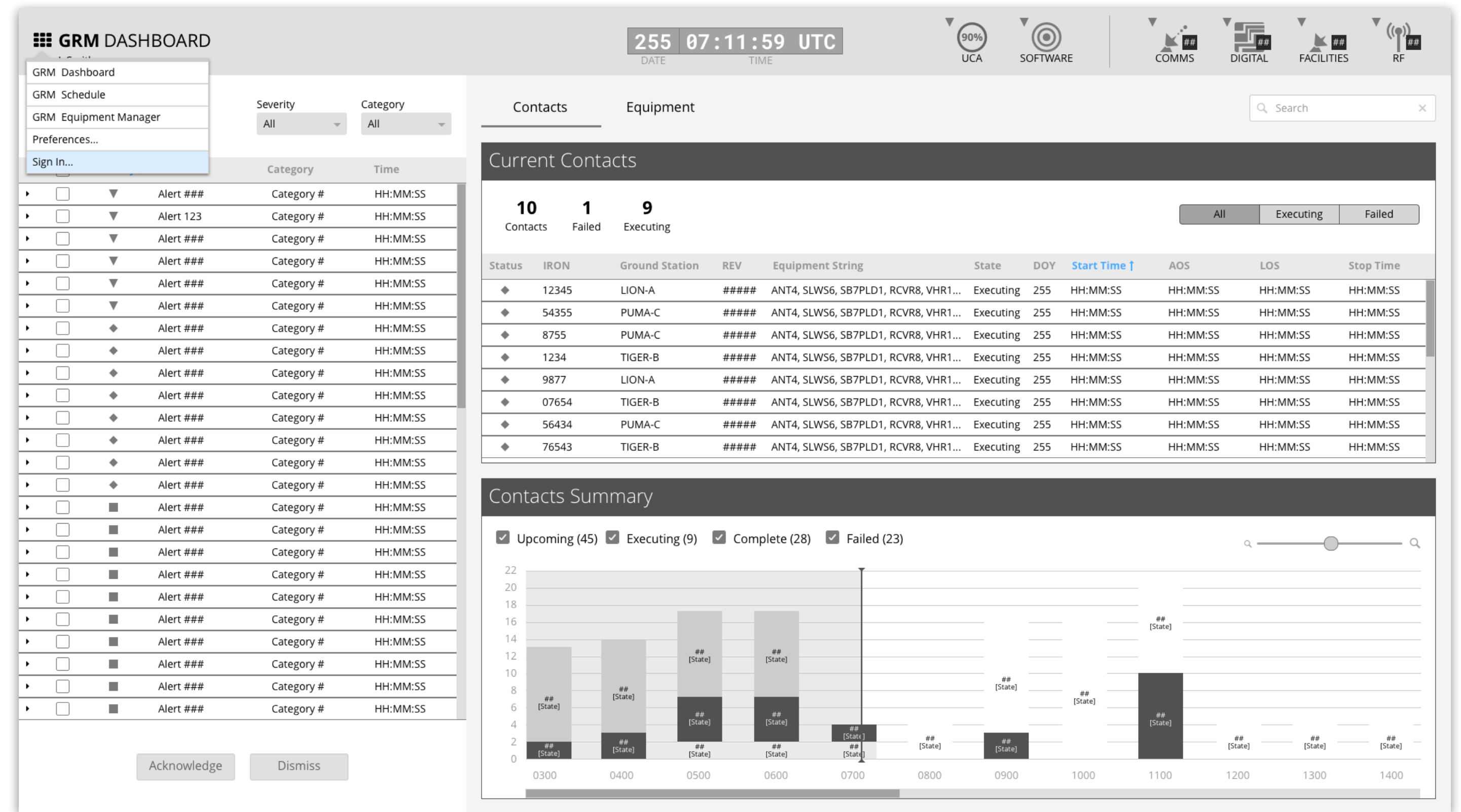
The screenshot displays the monitoring interface with a top status bar showing '255 07:11:59 UTC', '90% UCA', and 'SOFTWARE'. A menu is open over the 'Monitoring Icons' (MMS, DIGITAL, FACILITIES, RF), with a 'Severity ↓' dropdown menu showing a list of alerts with columns for 'Alert ID' and 'Time'. Below the menu is a table of alerts with columns: Ground Station, REV, Equipment String, State, DOY, Start Time, LOS, and Stop Time. The table lists several alerts in an 'Executing' state. At the bottom, a bar chart shows the distribution of alerts by state (Executing, Complete, Failed) over time from 0400 to 1400. The chart includes a legend: 'Executing (9)', 'Complete (28)', and 'Failed (23)'. The x-axis represents time in HH:MM format, and the y-axis represents the count of alerts.

Ground Station	REV	Equipment String	State	DOY	Start Time	LOS	Stop Time
LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS
PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS
PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS
TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS
LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS
TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS
PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS
TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS

Global - Sign In & Out

Functionality

The operator can sign in or out of the GRM App Suite through the App Switcher Menu, which is accessible in every application and screen by clicking the icon in the top left.

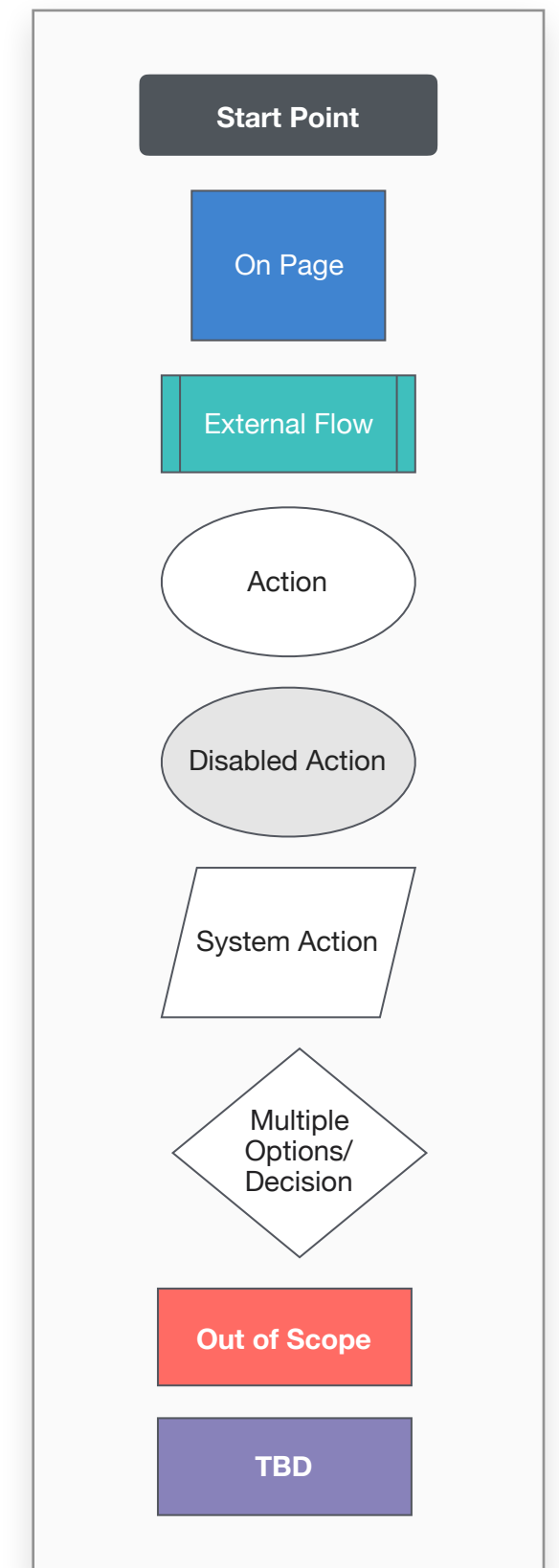
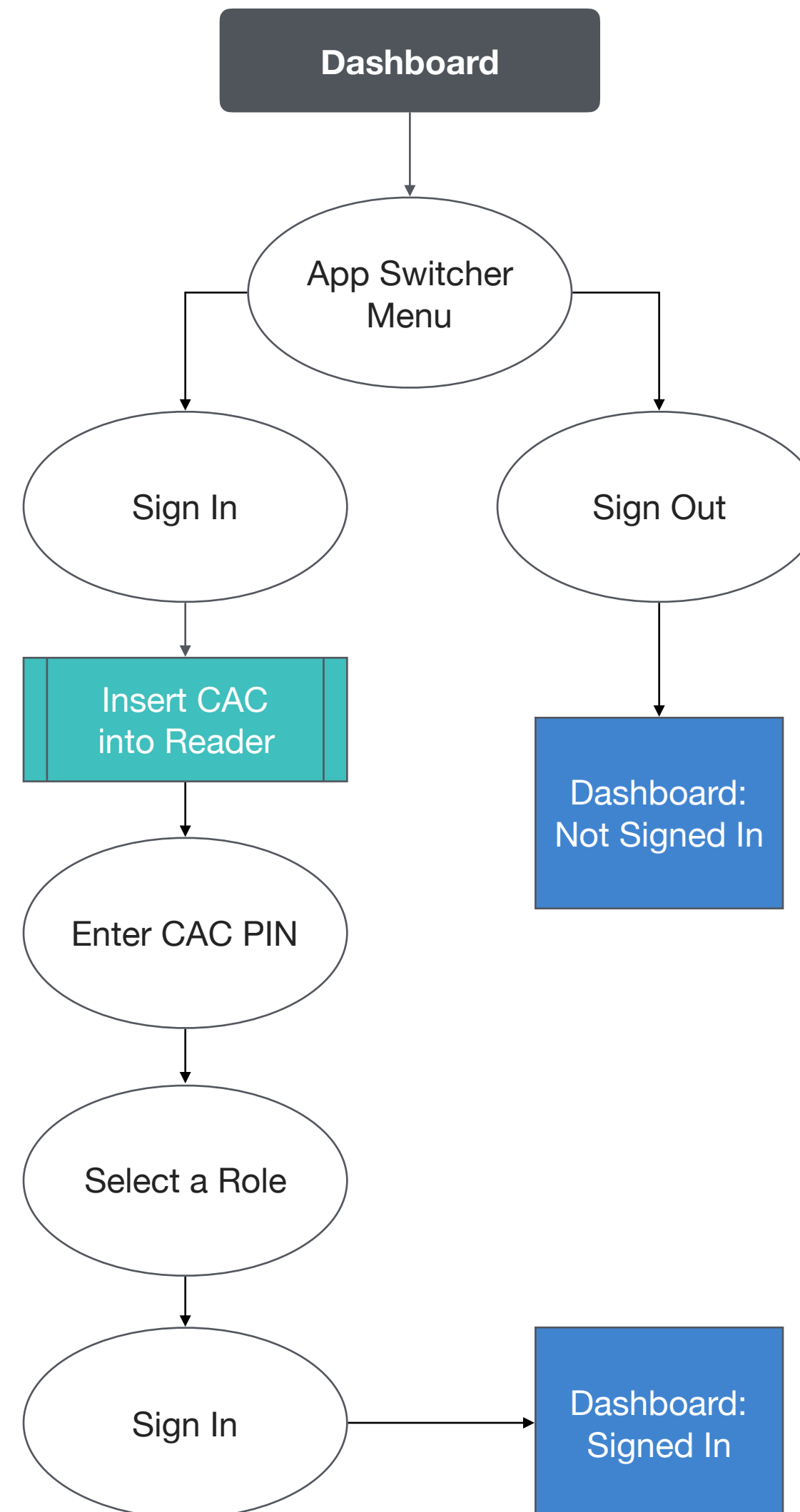


GRM Wireframes.pdf, page 7

Global - Sign In/Out Flow

This user flow shows the content and actions involved in signing in or out of GRM through the Dashboard. This flow is available to the operator in any of the three GRM applications via the App Switcher Menu.

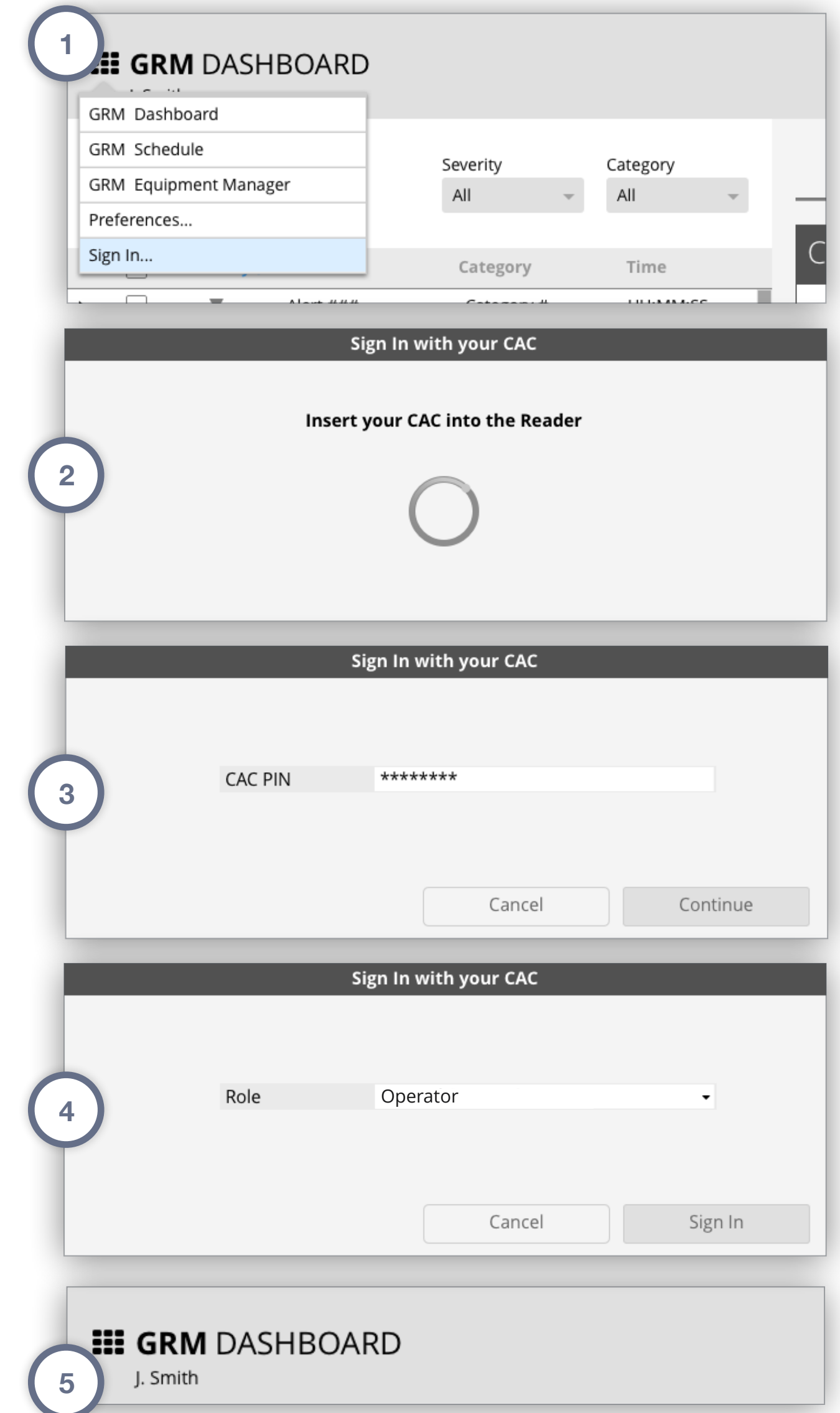
The following pages in this document (20-21) provide a full description of each step alongside the correlating screen of the application.



Global Components - Sign In Flow Steps

Steps

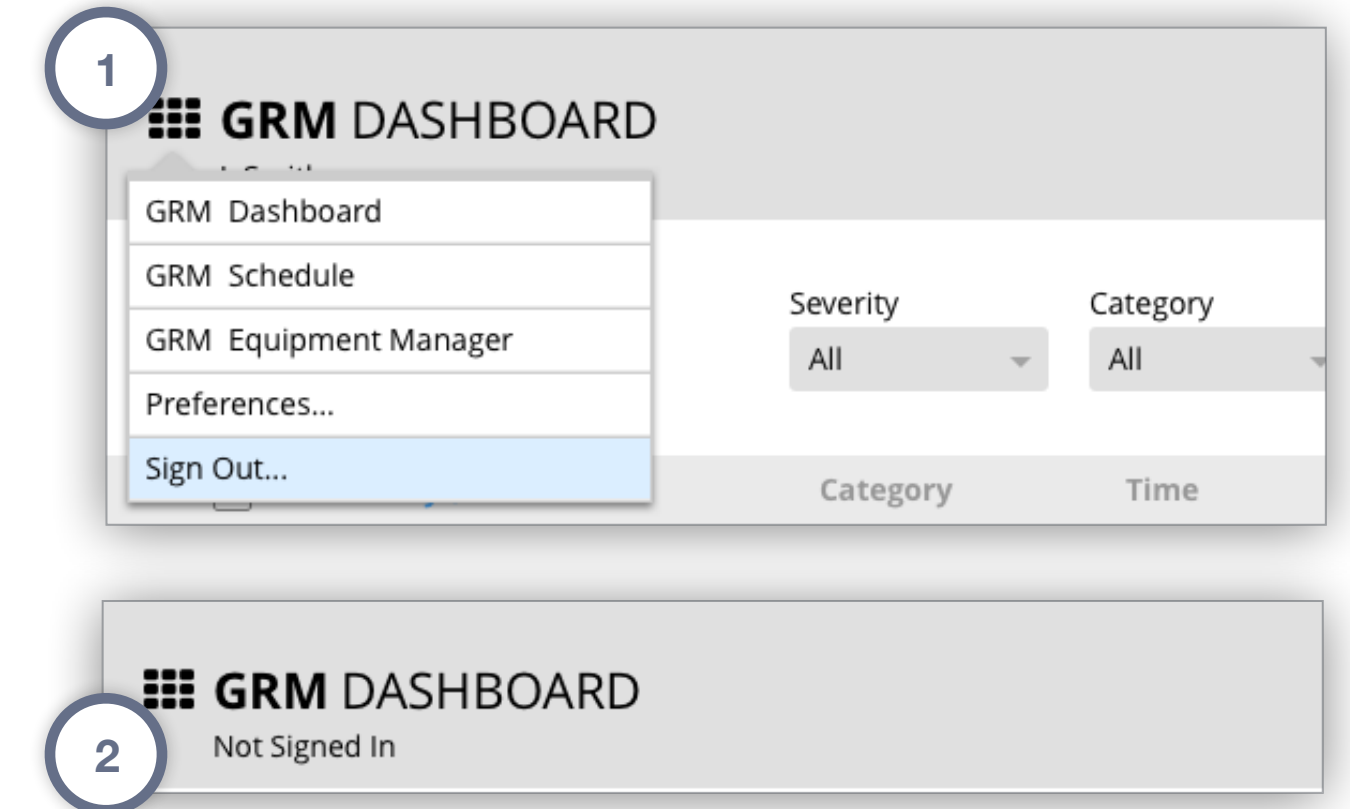
1. Click the App Switcher Menu, then click “Sign In.”
2. Insert a CAC into the Reader (external to the GRM Application Suite).
3. Enter a CAC PIN.
4. Select role, then click “Sign In.”
5. The operator name appears below the application title, indicating that they are signed in.



Global Components - Sign Out Flow Steps

Steps

1. Click the App Switcher Menu, then click “Sign Out.”
2. The operator name under the application title changes to “Not Signed In.”



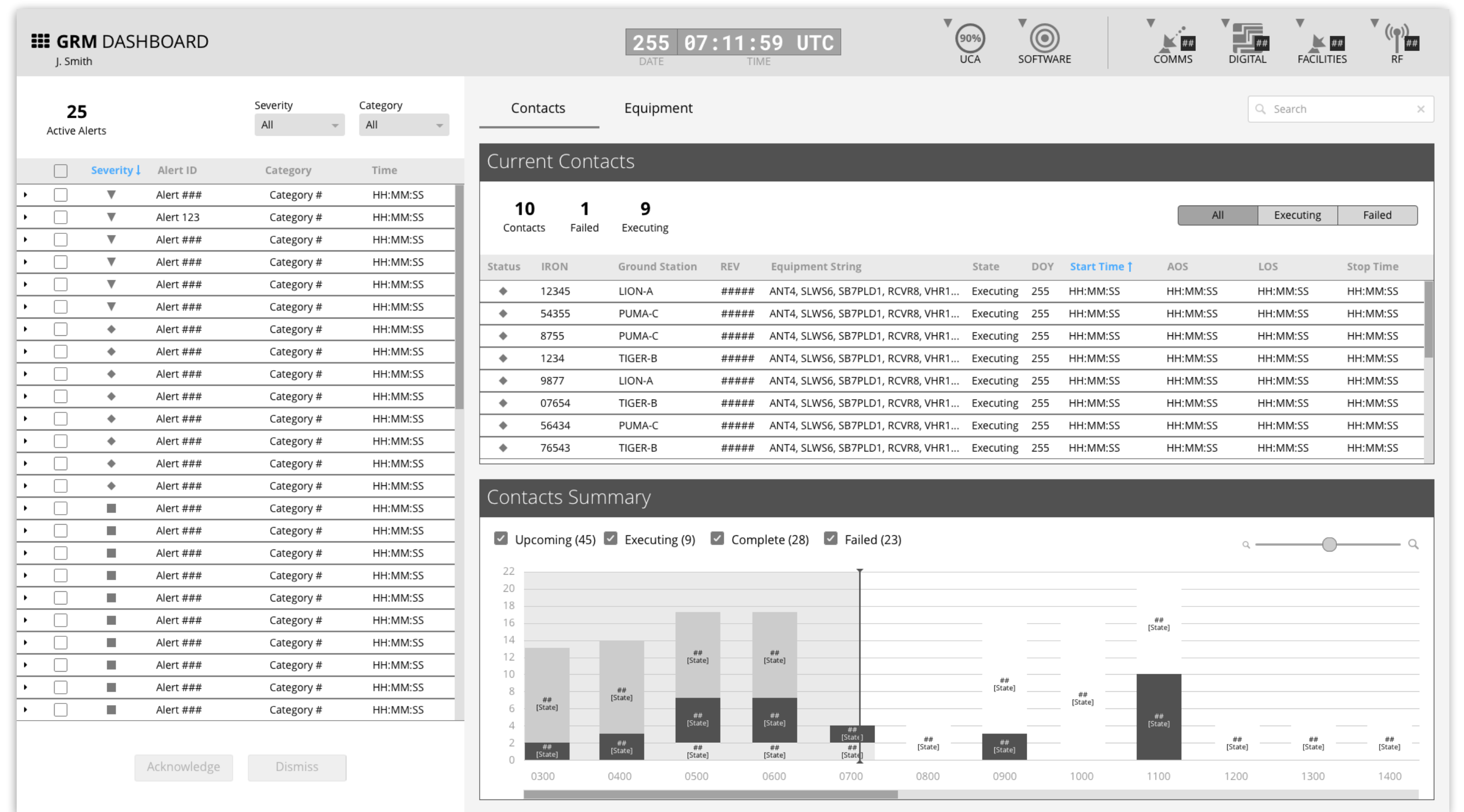
GRM Wireframes.pdf, pages 12-13

Dashboard

Dashboard Overview

The Dashboard application rolls up all information necessary for providing the operator the highest level of situational awareness.

In addition, it allows the operator to investigate alerts, modify contacts, and schedule maintenance jobs.



Dashboard - Alerts

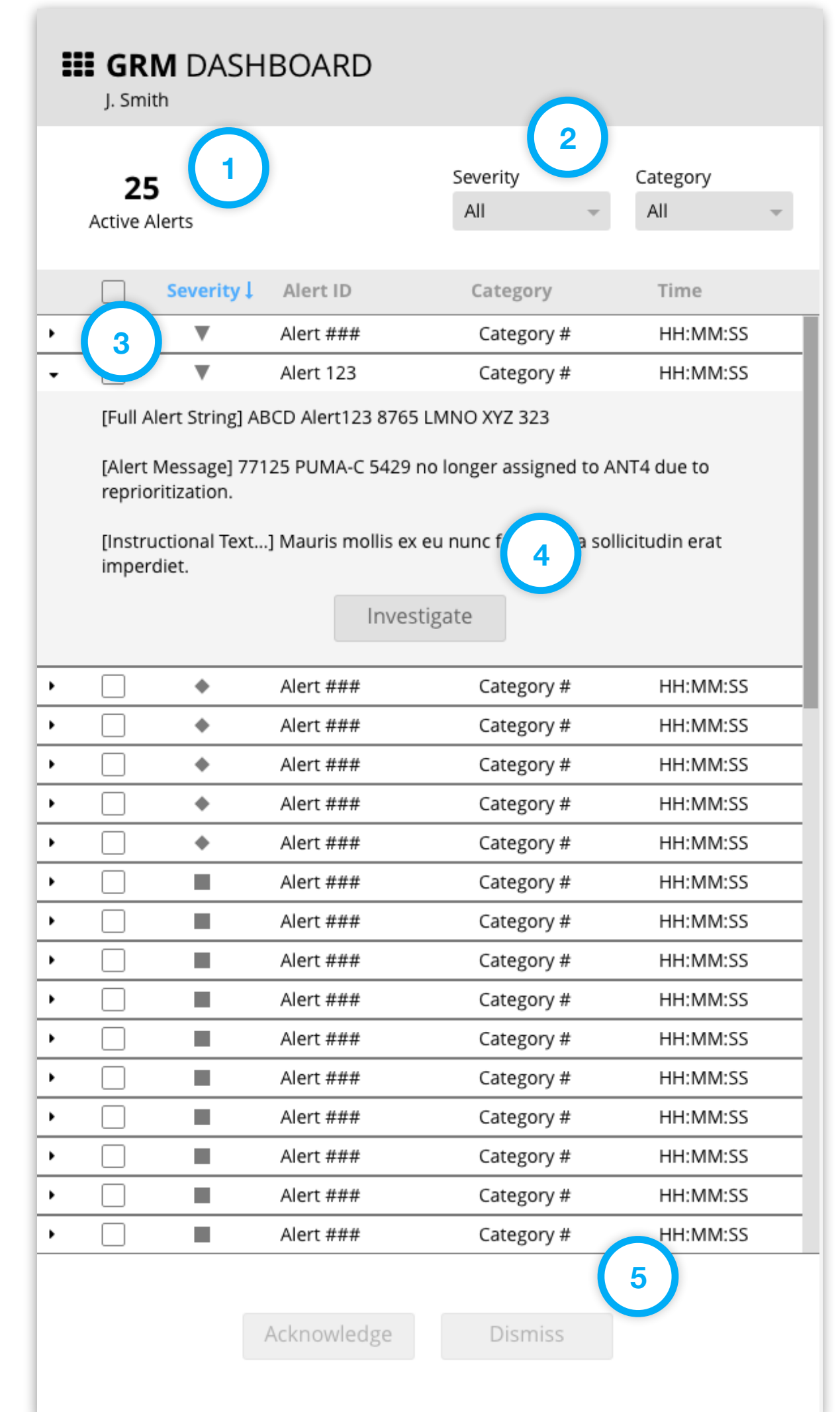
Functionality

The Alerts component houses a roll-up of system-wide alerts.

Features & Interactions

1. **Active Alert Aggregate Numbers**
Shows number of active alerts at-a-glance.
2. **Filter Drop-downs**
Filters alert list by severity and category.
3. **Expandable List Items**
Expands to show alert details and Investigate button (if applicable).
4. **Investigate Button**
Sends the operator to a page with full alert details and actions for resolving the alert.
5. **Acknowledge/Dismiss Buttons**
Acknowledges or dismisses alerts.

**Further functionality such as recalling dismissed alerts and denoting acknowledged alerts is to be determined.*



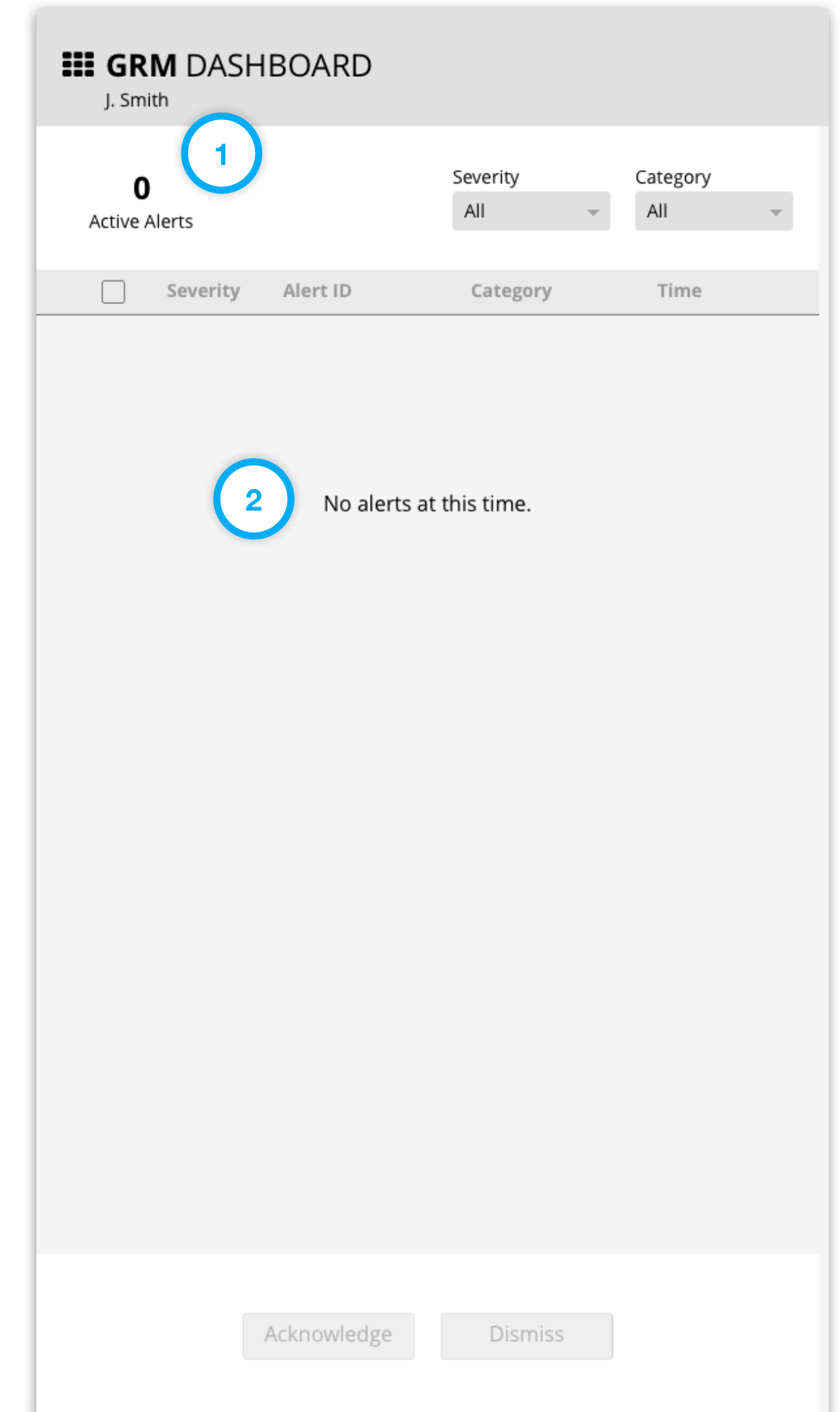
Dashboard - Alerts - Empty State

Functionality

Active Alerts empty state.

Features & Interactions

1. **Active Alert Aggregate Numbers**
Shows number of active alerts at-a-glance.
2. **Messaging**
Clear messaging is presented in the event no active alerts are present.



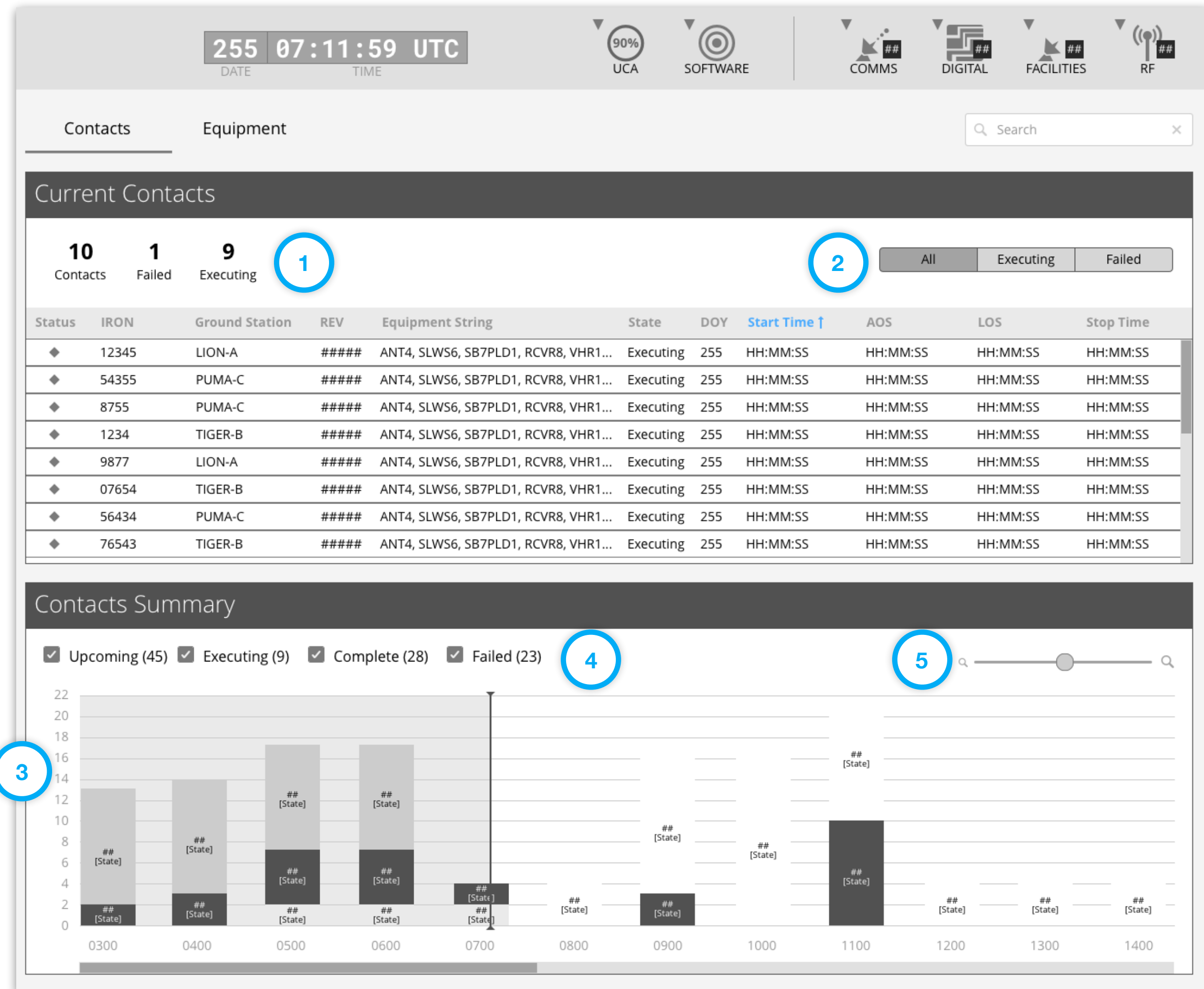
Dashboard - Contacts View

Functionality

The Contacts Tab consists of Current Contacts and the Contacts Summary sections. Operators can quickly see all executing contacts including any failures in the Current Contacts.

Features & Interactions

- 1. Contacts Aggregate Numbers**
 Shows number of executing contacts at-a-glance.
- 2. Segmented Button Filter**
 Filters Current Contacts by All, Executing, or Failed.
- 3. Histogram**
 The y-axis measures contact counts, while the x-axis represents time.
- 4. Histogram Filters**
 Filters may be applied to one, many or all of the Contact States; Upcoming, Executing, Complete, Failed.
- 5. Zoom Control**
 To zoom in to the Histogram, drag the slider to the right. To zoom out of the Histogram, drag the slider to the left.



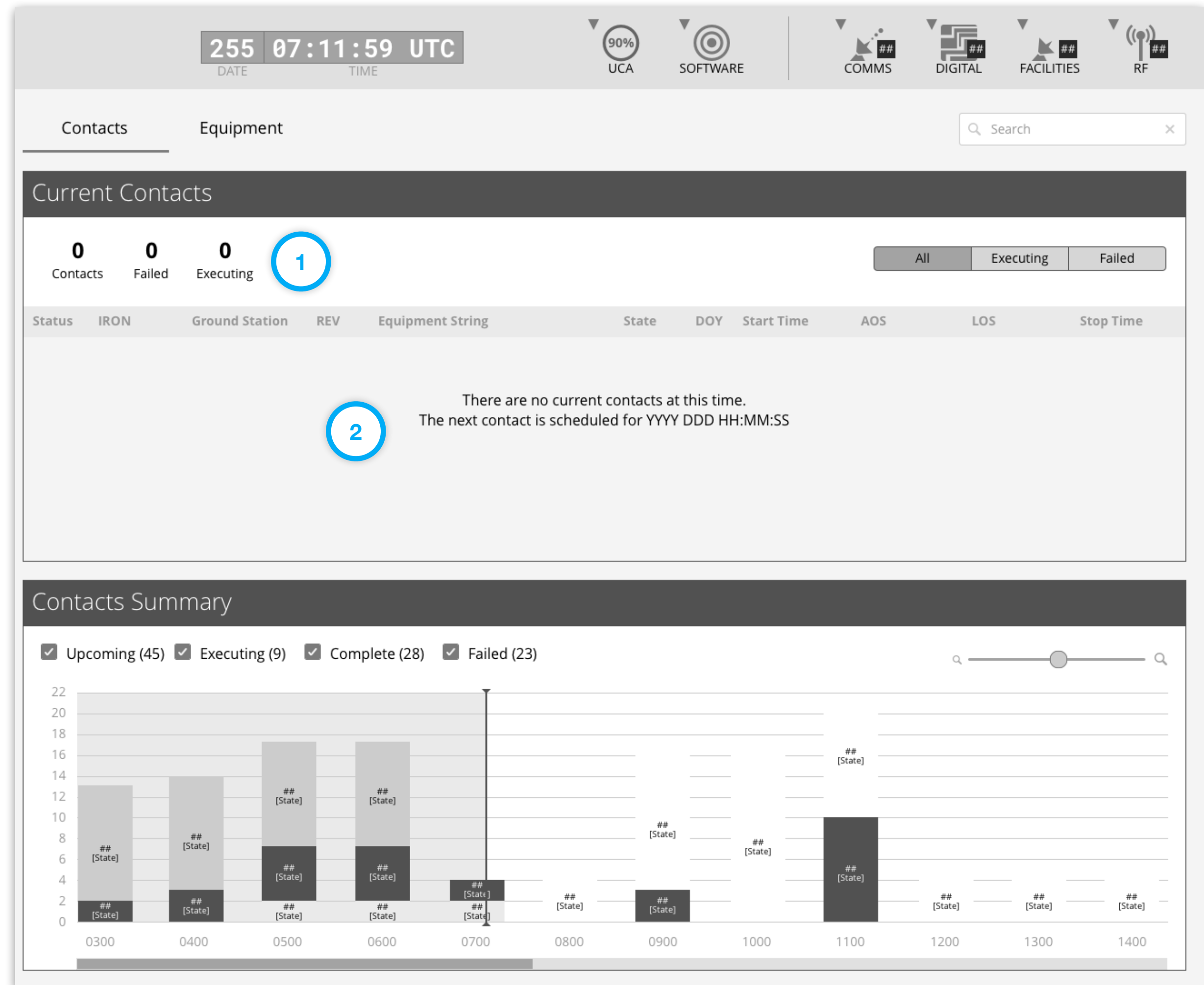
Dashboard - Contacts View - Empty State

Functionality

Current Contacts empty state.

Features & Interactions

- 1. Contacts Aggregate Numbers**
 Shows number of executing contacts at-a-glance.
- 2. Messaging**
 Clear messaging is presented in the event no contacts are currently executing.



Dashboard - Equipment View

Functionality

The Equipment Tab consists of Current Equipment Status and Trending Equipment Status sections. Operators can quickly see equipment allocation and health across various categories; past, present and future.

Features & Interactions

1. Equipment Allocation

Shows percentage of usage across top line categories at-a-glance.

2. Histogram

The y-axis measures percent of equipment in a given category allocated, while the x-axis represents time. A “Usage Threshold” value may be defined to identify equipment that exceeds this limit.

3. Trending Equipment Status Filters

Filters may be applied to one, many or all of the equipment categories defined.

4. Chart Details

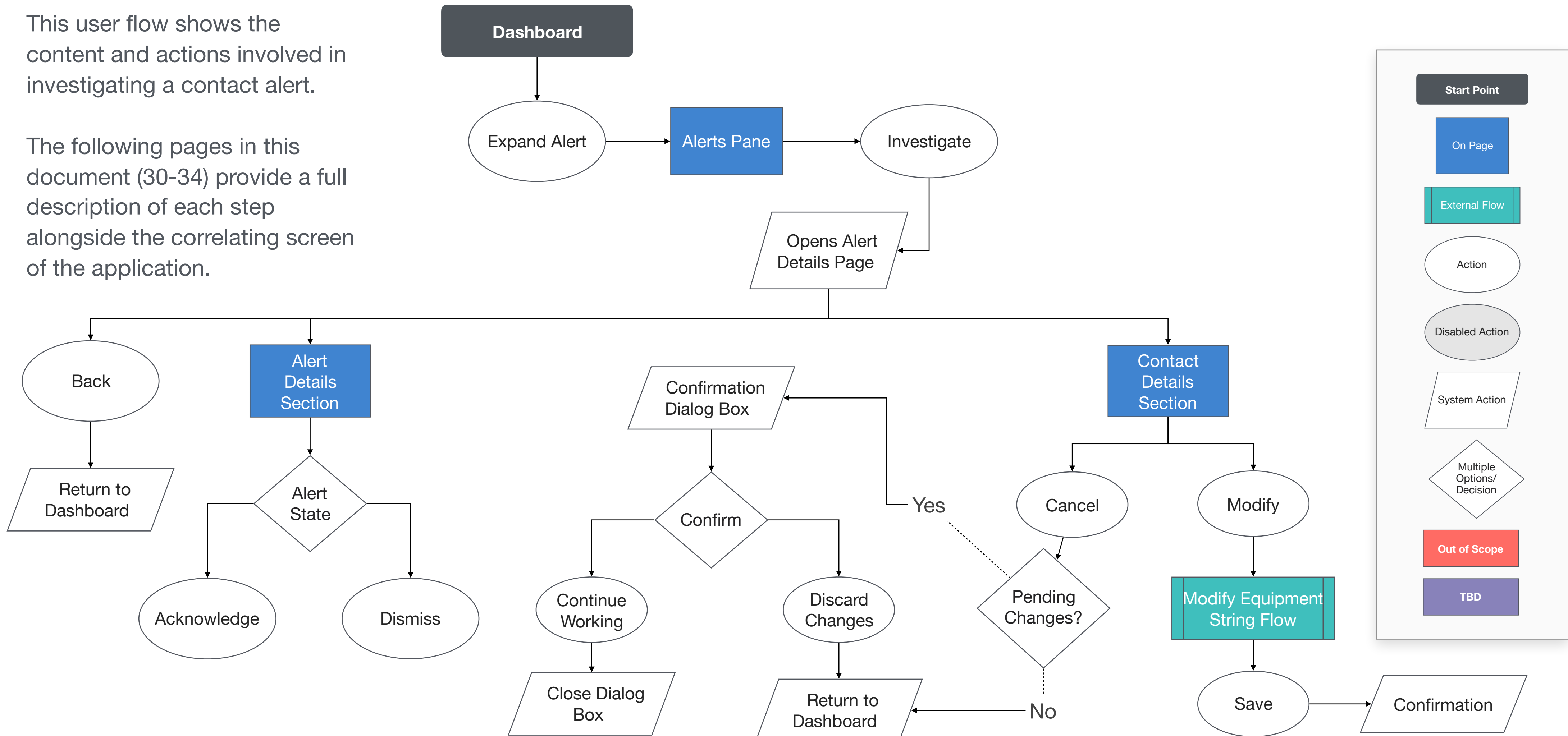
On hover, details such as Category, Usage and Time are displayed in a tool tip.



Dashboard - Investigate Contact Alert Flow

This user flow shows the content and actions involved in investigating a contact alert.

The following pages in this document (30-34) provide a full description of each step alongside the correlating screen of the application.



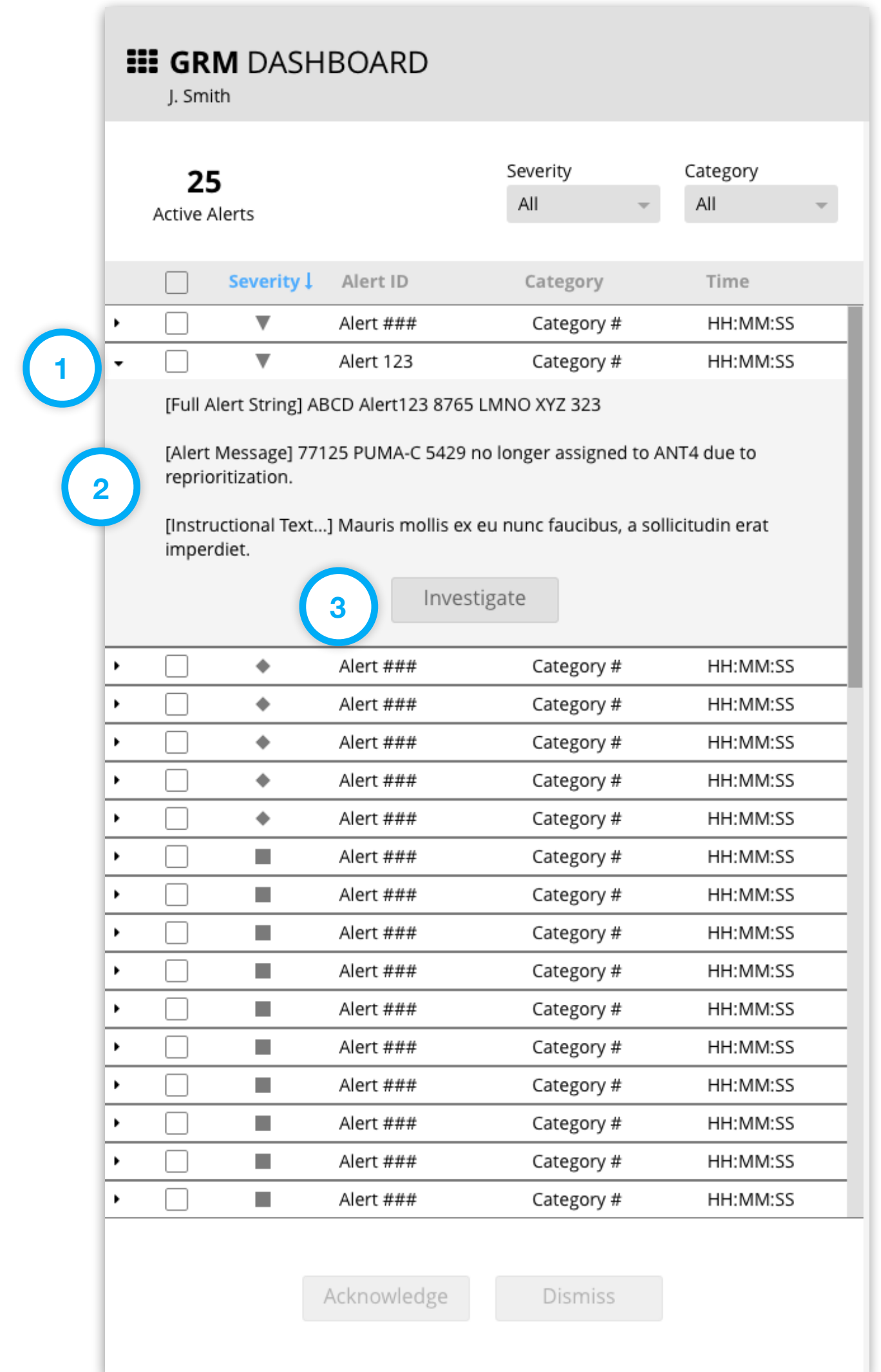
Dashboard - Investigate Contact Alert Flow

Step

An operator is addressing an alert impacting a contact and clicks “Investigate” to troubleshoot.

Features & Interactions

- 1. Expand Alert**
 Shows alert details and Investigate button.
- 2. Review Alert Details**
 May contain: the full alert string to be cross referenced, an alert message to give the operator contextual meaning of what is being affected, and instructional text to guide the operator’s next steps.
- 3. Investigate Button**
 Sends the operator to a page with full alert details and actions for resolving the alert.



Dashboard - Investigate Contact Alert Flow

Step

View full Alert and Contact details, click “Modify.”

Features & Interactions

1. Breadcrumb navigation will return user to the Dashboard.
2. Additional alert details are provided.
3. Operator may Acknowledge or Dismiss the alert at their discretion.
4. Contact details are displayed to give operator insight on what contact is being affected.
5. The equipment string indicates that ANT4 is in a critical status for this contact.
6. The Event Log provides data on what events led up to this alert.
7. Modify puts the contact in an editable mode that allows the operator to resolve the issue.

The screenshot displays the GRM DASHBOARD interface. At the top, it shows the user 'J. Smith', the time '07:11:59 UTC', and various system status icons (UCA, SOFTWARE, COMMS, DIGITAL, FACILITIES, RF). The breadcrumb navigation is 'Dashboard / Alert 123 Details' (1). The 'Alert Details' section includes fields for Severity (Critical), Alert ID (Alert 123), Category (CatABC), and Time (07:12:23), along with a description and a list of affected contacts (2). At the bottom of this section are 'Acknowledge' and 'Dismiss' buttons (3). The 'Contact Details' section for contact '77125 PUMA-C 5429' shows fields for Priority (Low), State (Upcoming), IRON (77125), Ground Station (PUMA-C), REV (5429), DOY (255), Start Time, AOS, LOS, Stop Time, Command Mode (Automated), and Active status (checked) (4). The 'Equipment String' section shows a configuration 'Config A' with a diagram of equipment connections: ANT4, SLWS6, SB7PLD1, RCVR8, MBS1CH2, SFEP3CH1, UPS104, VHR1, and ENC123 (5). Below the diagram are 'ANT4 Details' and another 'Affected Contacts' list. The 'Event Log' section (6) contains a table with columns for Time and Event, showing a series of events. At the bottom right, there are 'Cancel' and 'Modify' buttons (7).

Dashboard - Investigate Contact Alert Flow

Step

Select an alternate resource, click “Save.”

Features & Interactions

1. Any contact fields that were modified display the appropriate form element.
2. The operator was able to select another available antenna, “ANT1” from a dropdown list.
3. To submit these changes, the operator clicks the “Save” button.

The screenshot displays the GRM DASHBOARD interface. At the top, it shows the user 'J. Smith', the date '255 07:11:59 UTC', and various system status icons (UCA, SOFTWARE, COMMS, DIGITAL, FACILITIES, RF). The main content area is divided into two sections: 'Alert Details' and 'Contact Details'. The 'Alert Details' section includes fields for Severity (Critical), Alert ID (Alert 123), Category (CatABC), and Time (07:12:23). The 'Contact Details' section shows the equipment string 'ANT1, SLWS6, SB7PLD1, RCVR8, MBS1CH2, SFEP3CH1, UPS104, VHR1, ENC123' and a flow diagram. A 'Save' button is highlighted at the bottom right of the interface.

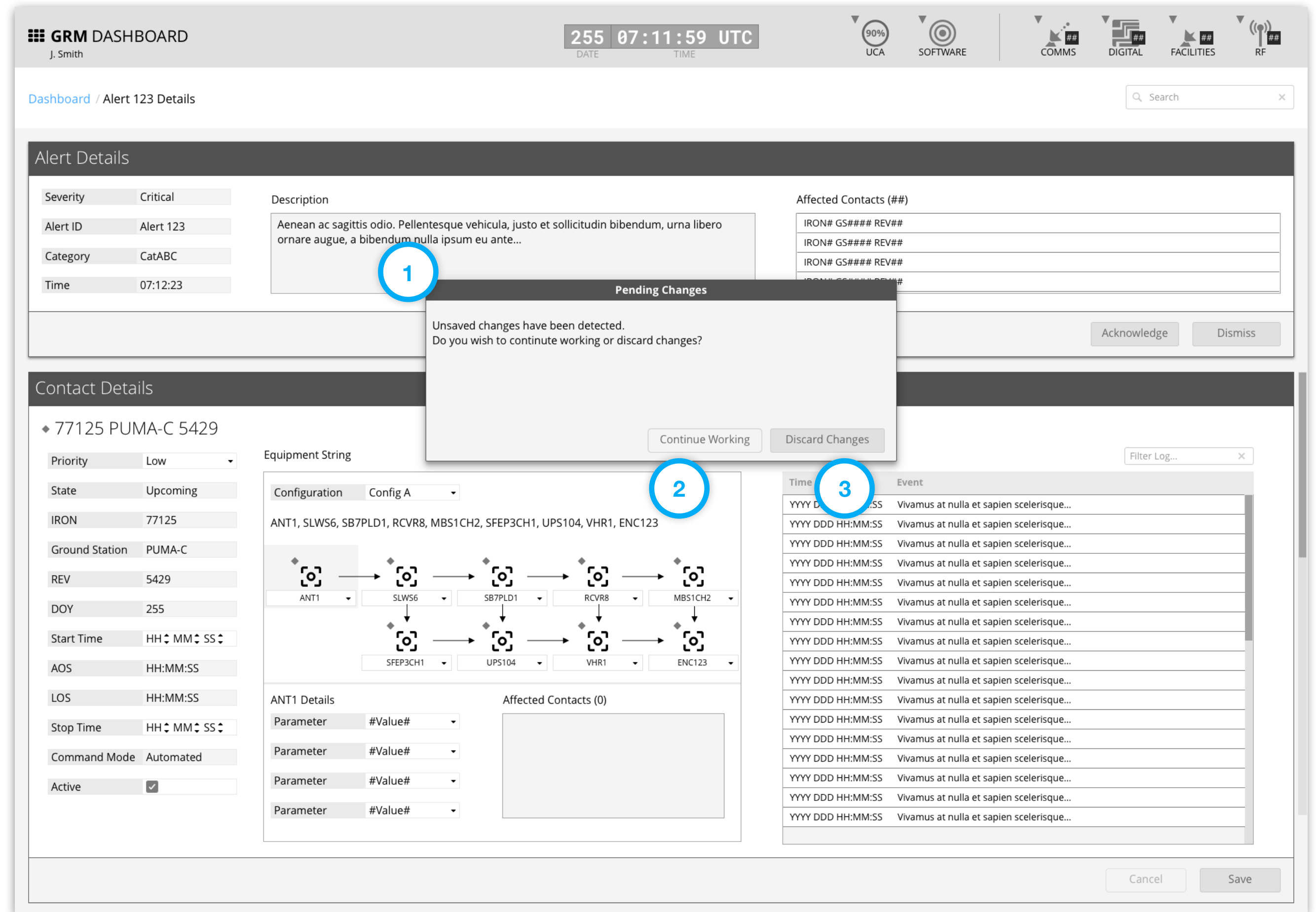
Dashboard - Investigate Contact Alert Flow

Step

If attempting to navigate away from an incomplete form, the operator must choose to discard changes or continue working.

Features & Interactions

1. A confirmation message is displayed in a dialog box.
2. Selecting “Continue Working” returns the operator back to the editable view.
3. Selecting “Discard Changes” reverts any edits to the last saved states and navigates the operator as requested.



Dashboard - Investigate Contact Alert Flow

Step

After clicking “Save”, a Notification Banner displays showing that changes have been saved.

Features & Interactions

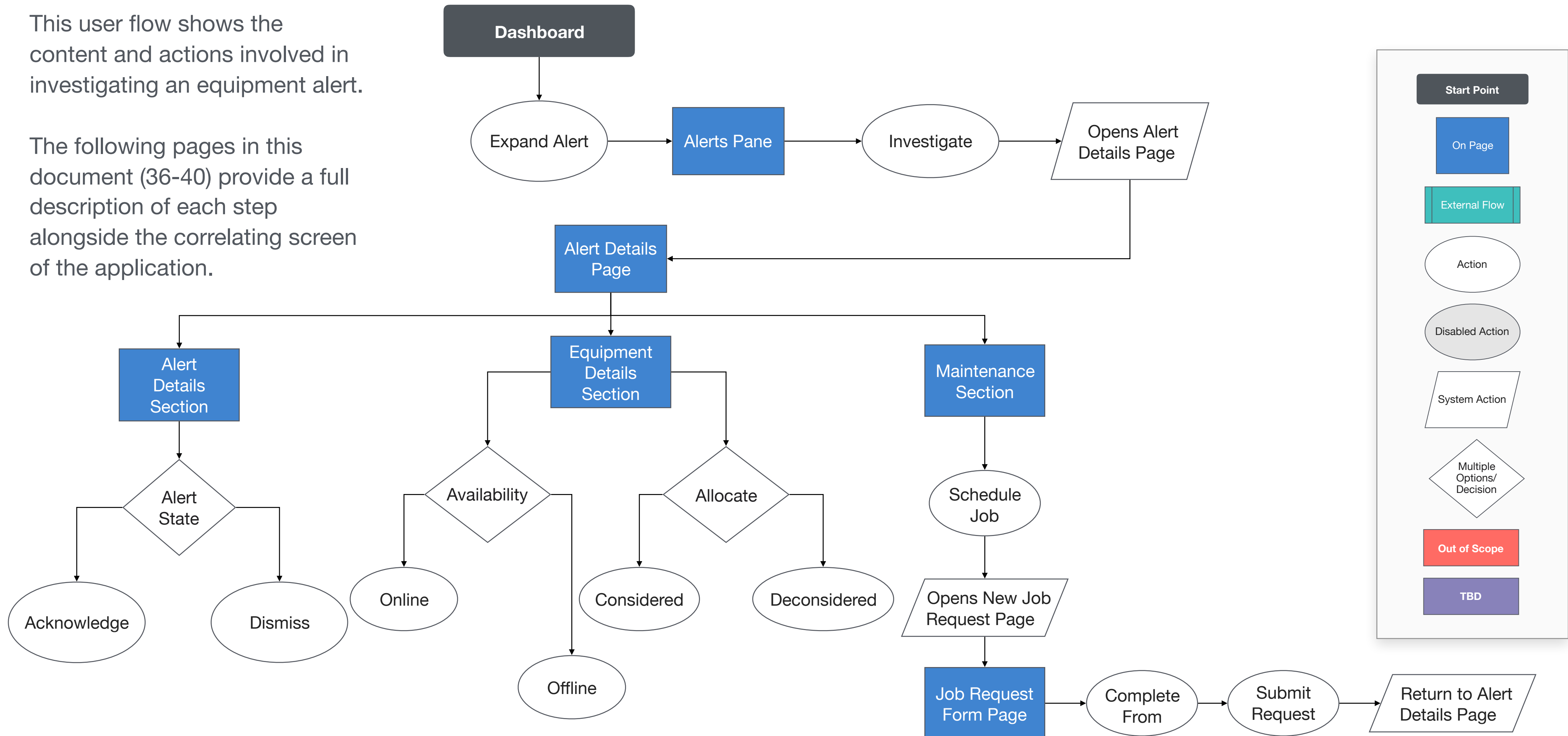
1. The Notification Banner displays directly below the Global Status Bar indicating which contact has been changed. The operator can dismiss the banner by clicking the “X” button on the right.
2. Contact details return back to a read-only state.

The screenshot shows the GRM Dashboard interface. At the top, there is a Global Status Bar with the text "GRM DASHBOARD", user "J. Smith", and system time "255 07:11:59 UTC". A notification banner (Step 1) is displayed below the status bar, stating "Changes saved to contact 77125 PUMA-C 5429." with a close button (X) on the right. Below the banner is the "Alert Details" section, which includes fields for Severity (Critical), Alert ID (Alert 123), Category (CatABC), and Time (07:12:23). A description field contains placeholder text. To the right, there is a table for "Affected Contacts (##)" with four rows, each containing "IRON# GS#### REV##". At the bottom of the alert details are "Acknowledge" and "Dismiss" buttons. Below the alert details is the "Contact Details" section (Step 2) for contact "77125 PUMA-C 5429". It includes a list of parameters such as Priority (Low), State (Upcoming), IRON (77125), Ground Station (PUMA-C), REV (5429), DOY (255), Start Time, AOS, LOS, Stop Time, Command Mode (Automated), and Active (checked). The "Equipment String" section shows a configuration for "Config A" with a diagram of equipment connections: ANT1, SLWS6, SB7PLD1, RCVR8, MBS1CH2, SFEPC3CH1, UPS104, VHR1, and ENC123. Below the diagram are "ANT1 Details" and "Affected Contacts (0)". At the bottom right of the contact details is an "Event Log" table with columns for Time and Event, containing multiple rows of placeholder text. At the bottom of the contact details are "Cancel" and "Modify" buttons.

Dashboard - Investigate Equipment Alert Flow

This user flow shows the content and actions involved in investigating an equipment alert.

The following pages in this document (36-40) provide a full description of each step alongside the correlating screen of the application.



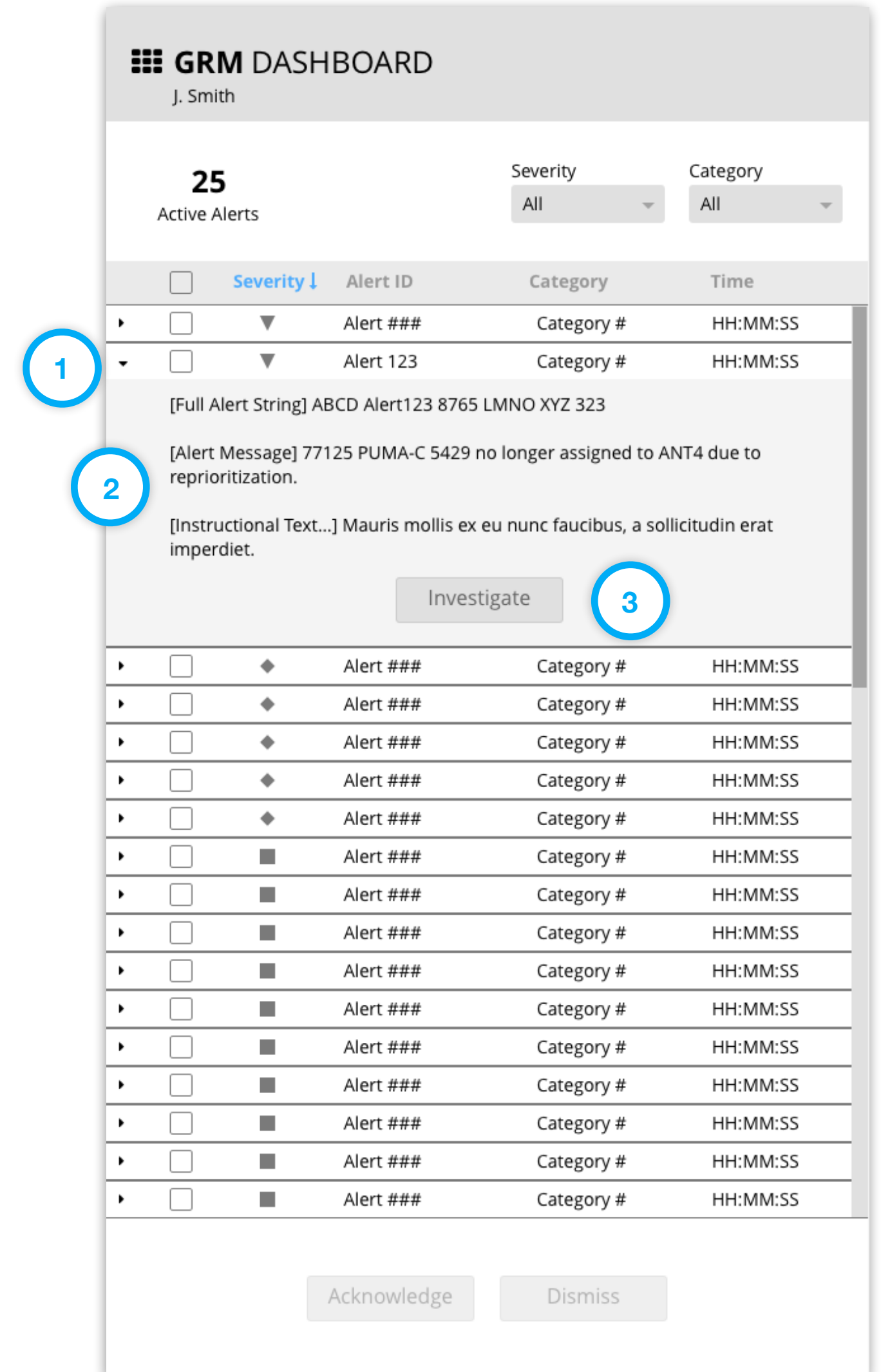
Dashboard - Investigate Equipment Alert Flow

Step

An operator is addressing an alert impacting equipment and clicks “Investigate” to troubleshoot.

Features & Interactions

1. **Expand Alert**
Shows alert details and Investigate button.
2. **Review Alert Details**
May contain: the full alert string to be cross referenced, an alert message to give the operator contextual meaning of what is being affected, and instructional text to guide the operator’s next steps.
3. **Investigate Button**
Sends the operator to a page with full alert details and actions for resolving the alert.



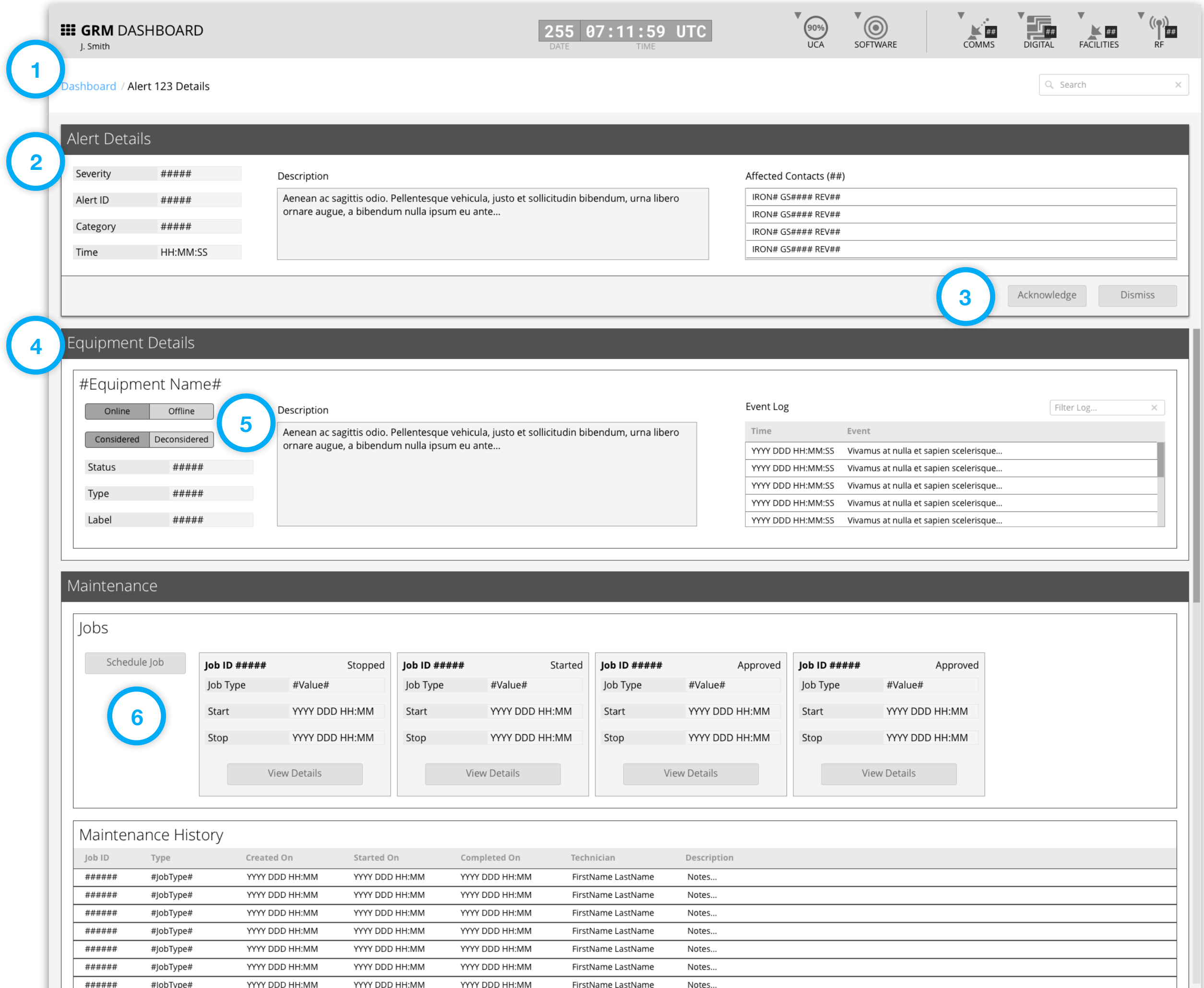
Dashboard - Investigate Equipment Alert Flow

Step

View full Alert and Equipment details, click “Schedule Job.”

Features & Interactions

1. Breadcrumb navigation will return user to the Dashboard.
2. Additional alert details are provided.
3. Operator may Acknowledge or Dismiss the alert at their discretion.
4. Equipment details are displayed to give operator insight on the equipment.
5. Equipment may be taken offline or deconsidered depending on the alert.
6. If determined, maintenance may be scheduled by selecting “Schedule Job.”



GRM DASHBOARD | 255 07:11:59 UTC | J. Smith

Dashboard / Alert 123 Details

Alert Details

Severity: #####
 Alert ID: #####
 Category: #####
 Time: HH:MM:SS

Description: Aenean ac sagittis odio. Pellentesque vehicula, justo et sollicitudin bibendum, urna libero ornare augue, a bibendum nulla ipsum eu ante...

Affected Contacts (##)
 IRON# GS#### REV##
 IRON# GS#### REV##
 IRON# GS#### REV##
 IRON# GS#### REV##

Acknowledge Dismiss

Equipment Details

#Equipment Name#

Online Offline
 Considered Deconsidered

Status: #####
 Type: #####
 Label: #####

Description: Aenean ac sagittis odio. Pellentesque vehicula, justo et sollicitudin bibendum, urna libero ornare augue, a bibendum nulla ipsum eu ante...

Event Log

Time	Event
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...

Maintenance

Jobs

Schedule Job

Job ID #####	Stopped	Job ID #####	Started	Job ID #####	Approved	Job ID #####	Approved
Job Type #Value#		Job Type #Value#		Job Type #Value#		Job Type #Value#	
Start YYYY DDD HH:MM		Start YYYY DDD HH:MM		Start YYYY DDD HH:MM		Start YYYY DDD HH:MM	
Stop YYYY DDD HH:MM		Stop YYYY DDD HH:MM		Stop YYYY DDD HH:MM		Stop YYYY DDD HH:MM	
View Details		View Details		View Details		View Details	

Maintenance History

Job ID	Type	Created On	Started On	Completed On	Technician	Description
#####	#JobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#JobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#JobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#JobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#JobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#JobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...

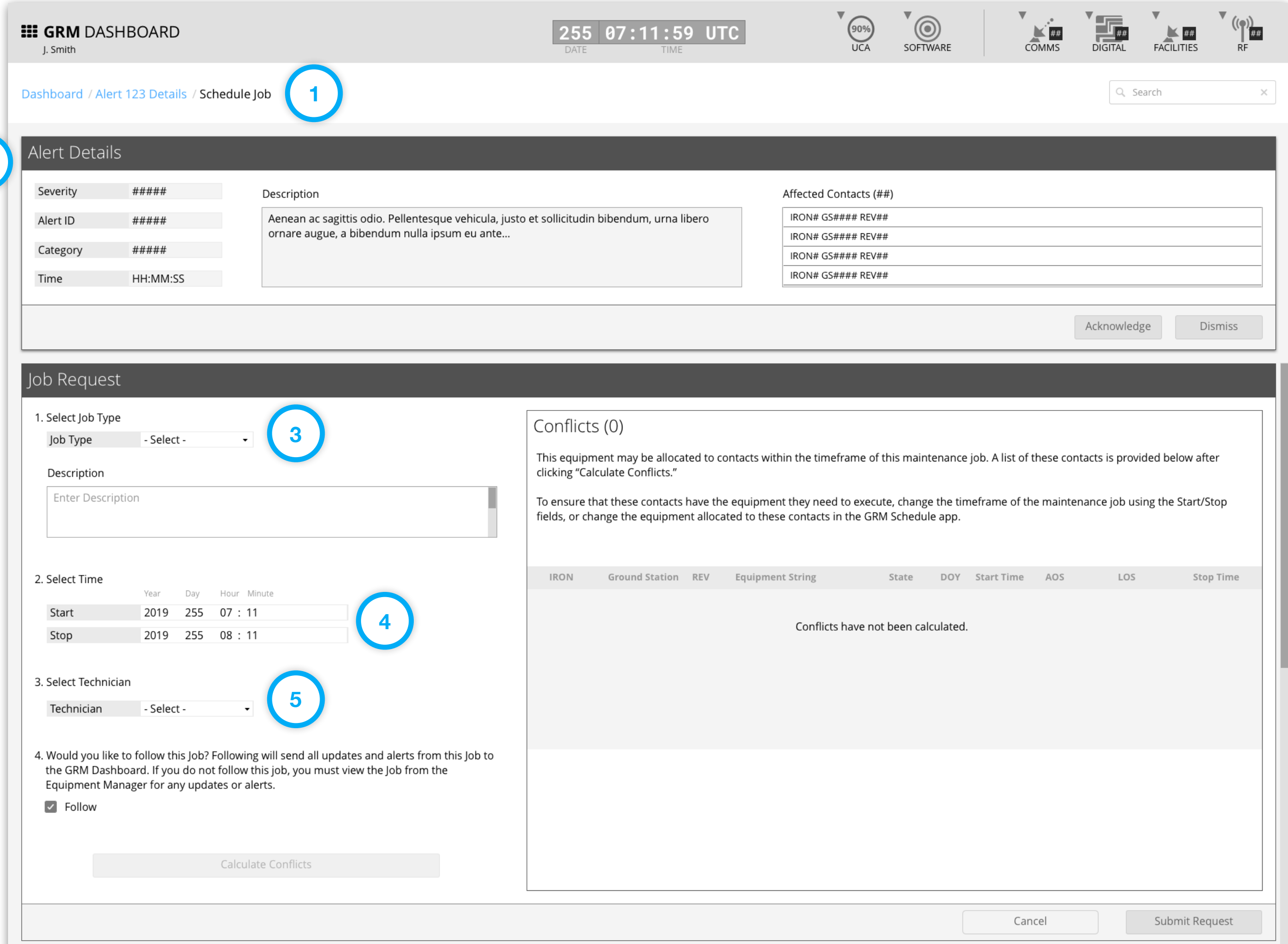
Dashboard - Investigate Equipment Alert Flow

Step

Complete the form for scheduling a maintenance job, then click “Submit Request.”

Features & Interactions

1. Breadcrumb navigation will return user to the Dashboard.
2. Alert details are displayed for context.
3. Select a Job Type, then provide any additional clarification in the Description field. The options available in this list should be configured by each squadron at set up time.
4. Select a time window for the job to be completed within. The equipment will be taken out of the resource pool during this window.
5. Select a Technician. The options available in this list should be configured by each squadron at set up time.



The screenshot displays the GRM Dashboard interface for scheduling a maintenance job. The breadcrumb navigation at the top reads "Dashboard / Alert 123 Details / Schedule Job".

Alert Details: This section shows the context of the alert. It includes fields for Severity (#####), Alert ID (#####), Category (#####), and Time (HH:MM:SS). The Description field contains the text: "Aenean ac sagittis odio. Pellentesque vehicula, justo et sollicitudin bibendum, urna libero ornare augue, a bibendum nulla ipsum eu ante...". The Affected Contacts section lists four entries: "IRON# GS#### REV##".

Job Request: This section contains the scheduling form. It includes:

- 1. Select Job Type: A dropdown menu with "Job Type" and "- Select -".
- 2. Select Time: A date and time picker with fields for Year (2019), Day (255), Hour (07), and Minute (11). Start and Stop times are shown as 2019-255-07:11 and 2019-255-08:11.
- 3. Select Technician: A dropdown menu with "Technician" and "- Select -".
- 4. A checkbox labeled "Follow" which is checked.

Conflicts (0): This section provides information about equipment conflicts. It includes a "Calculate Conflicts" button and a table with columns: IRON, Ground Station, REV, Equipment String, State, DOY, Start Time, AOS, LOS, and Stop Time. The table currently shows "Conflicts have not been calculated."

At the bottom of the form, there are "Cancel" and "Submit Request" buttons.

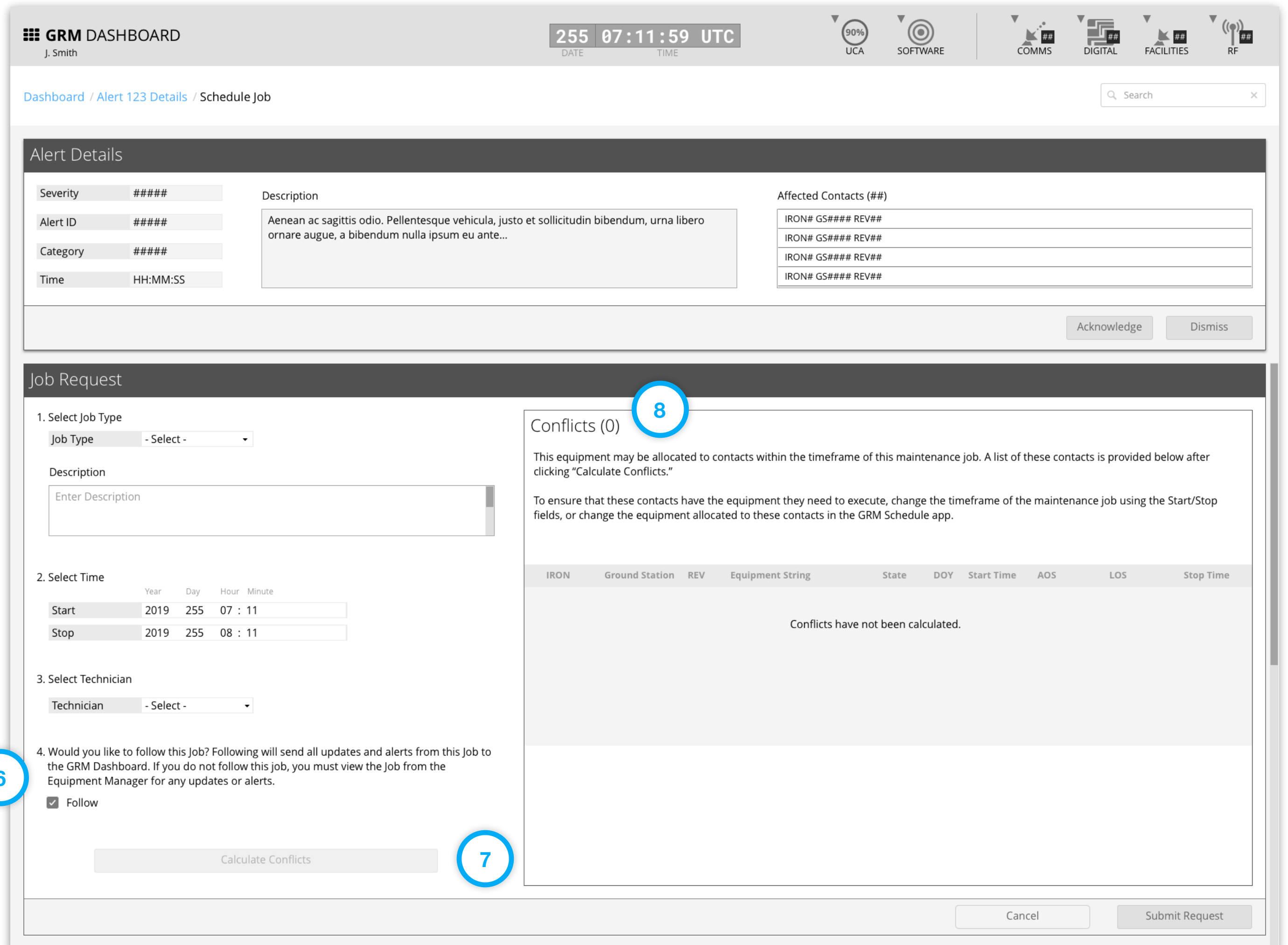
Dashboard - Investigate Equipment Alert Flow (Continued)

Step

Complete the form for scheduling a maintenance job, then click “Submit Request.” (continued)

Features & Interactions

6. Indicate whether to “Follow” this job. Following ensures that any alerts related to this job surface in the alerts area of the Dashboard application.
7. The “Submit Request” button will be disabled until the operator clicks “Calculate Conflicts.” This generates a list of contacts that will not execute due to the time window of this job, unless they are allocated different equipment.
8. A list of contacts affected by this job appears here. To resolve conflicts, the operator can either change the fields under “Select Time”, then regenerate this list by clicking “Calculate Conflicts” again, or by changing the equipment allocated to these contacts in the GRM Schedule application.



GRM DASHBOARD
J. Smith

255 07:11:59 UTC
DATE TIME

90% UCA SOFTWARE COMMS DIGITAL FACILITIES RF

Dashboard / Alert 123 Details / Schedule Job

Alert Details

Severity ##### Description Aenean ac sagittis odio. Pellentesque vehicula, justo et sollicitudin bibendum, urna libero ornare augue, a bibendum nulla ipsum eu ante...

Alert ID ##### Affected Contacts (##)
IRON# GS#### REV##
IRON# GS#### REV##
IRON# GS#### REV##
IRON# GS#### REV##

Category #####
Time HH:MM:SS

Acknowledge Dismiss

Job Request

1. Select Job Type
Job Type - Select -

Description
Enter Description

2. Select Time
Year Day Hour Minute
Start 2019 255 07 : 11
Stop 2019 255 08 : 11

3. Select Technician
Technician - Select -

4. Would you like to follow this Job? Following will send all updates and alerts from this Job to the GRM Dashboard. If you do not follow this job, you must view the Job from the Equipment Manager for any updates or alerts.
 Follow

Calculate Conflicts

Conflicts (0)

This equipment may be allocated to contacts within the timeframe of this maintenance job. A list of these contacts is provided below after clicking “Calculate Conflicts.”

To ensure that these contacts have the equipment they need to execute, change the timeframe of the maintenance job using the Start/Stop fields, or change the equipment allocated to these contacts in the GRM Schedule app.

IRON	Ground Station	REV	Equipment String	State	DOY	Start Time	AOS	LOS	Stop Time
Conflicts have not been calculated.									

Cancel Submit Request

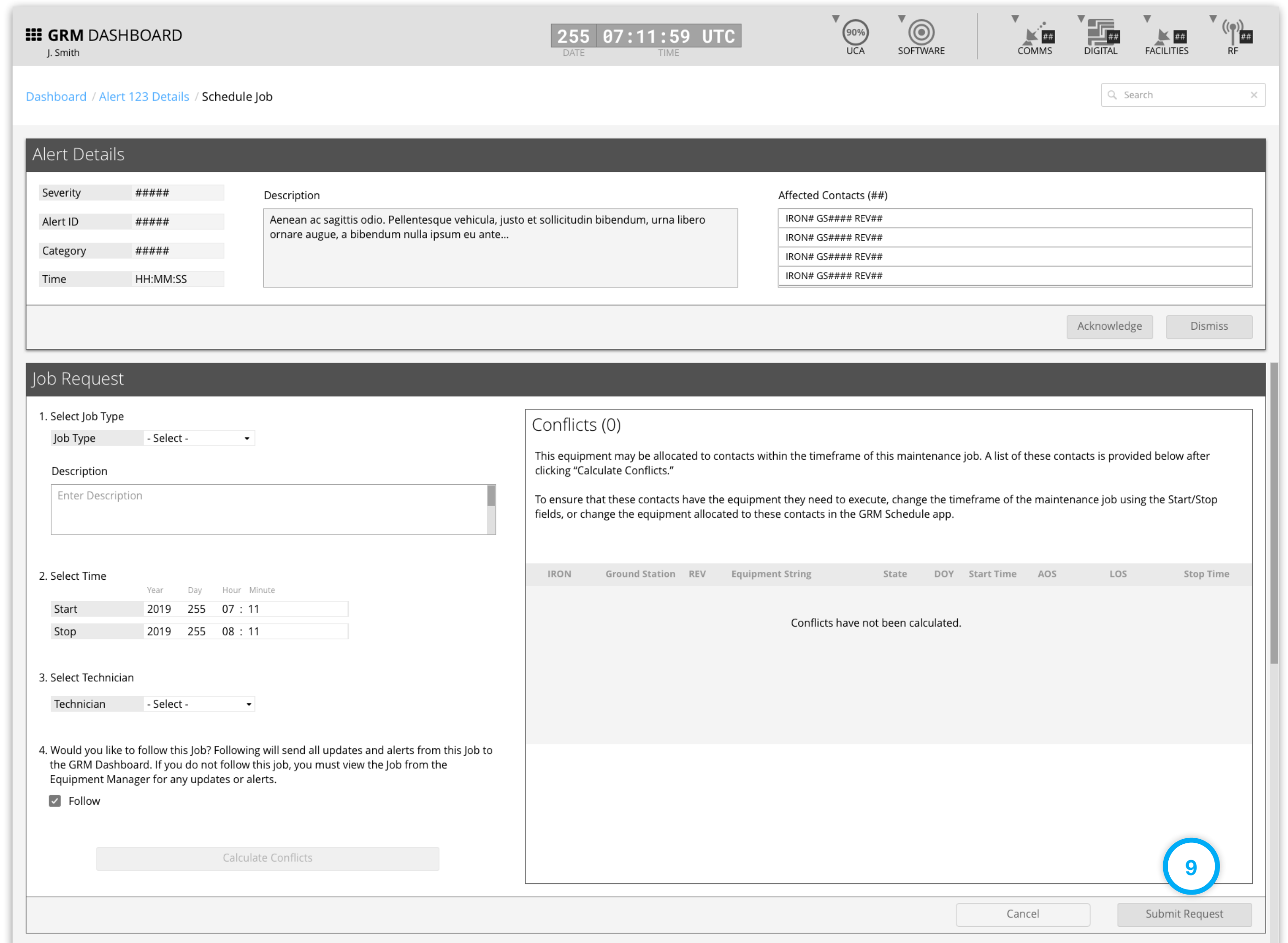
Dashboard - Investigate Equipment Alert Flow (Continued)

Step

Complete the form for scheduling a maintenance job, then click "Submit Request." (continued)

Features & Interactions

- Submit Request is selected to schedule the maintenance job and operator is returned to the Alert Details page.



GRM DASHBOARD
J. Smith

255 07:11:59 UTC
DATE TIME

90% UCA SOFTWARE COMMS DIGITAL FACILITIES RF

Dashboard / Alert 123 Details / Schedule Job

Alert Details

Severity ##### Description Aenean ac sagittis odio. Pellentesque vehicula, justo et sollicitudin bibendum, urna libero ornare augue, a bibendum nulla ipsum eu ante...

Alert ID #####

Category #####

Time HH:MM:SS

Affected Contacts (##)

IRON# GS#### REV##

IRON# GS#### REV##

IRON# GS#### REV##

IRON# GS#### REV##

Acknowledge Dismiss

Job Request

1. Select Job Type

Job Type - Select -

Description

Enter Description

2. Select Time

	Year	Day	Hour	Minute
Start	2019	255	07	11
Stop	2019	255	08	11

3. Select Technician

Technician - Select -

4. Would you like to follow this Job? Following will send all updates and alerts from this Job to the GRM Dashboard. If you do not follow this job, you must view the Job from the Equipment Manager for any updates or alerts.

Follow

Calculate Conflicts

Conflicts (0)

This equipment may be allocated to contacts within the timeframe of this maintenance job. A list of these contacts is provided below after clicking "Calculate Conflicts."

To ensure that these contacts have the equipment they need to execute, change the timeframe of the maintenance job using the Start/Stop fields, or change the equipment allocated to these contacts in the GRM Schedule app.

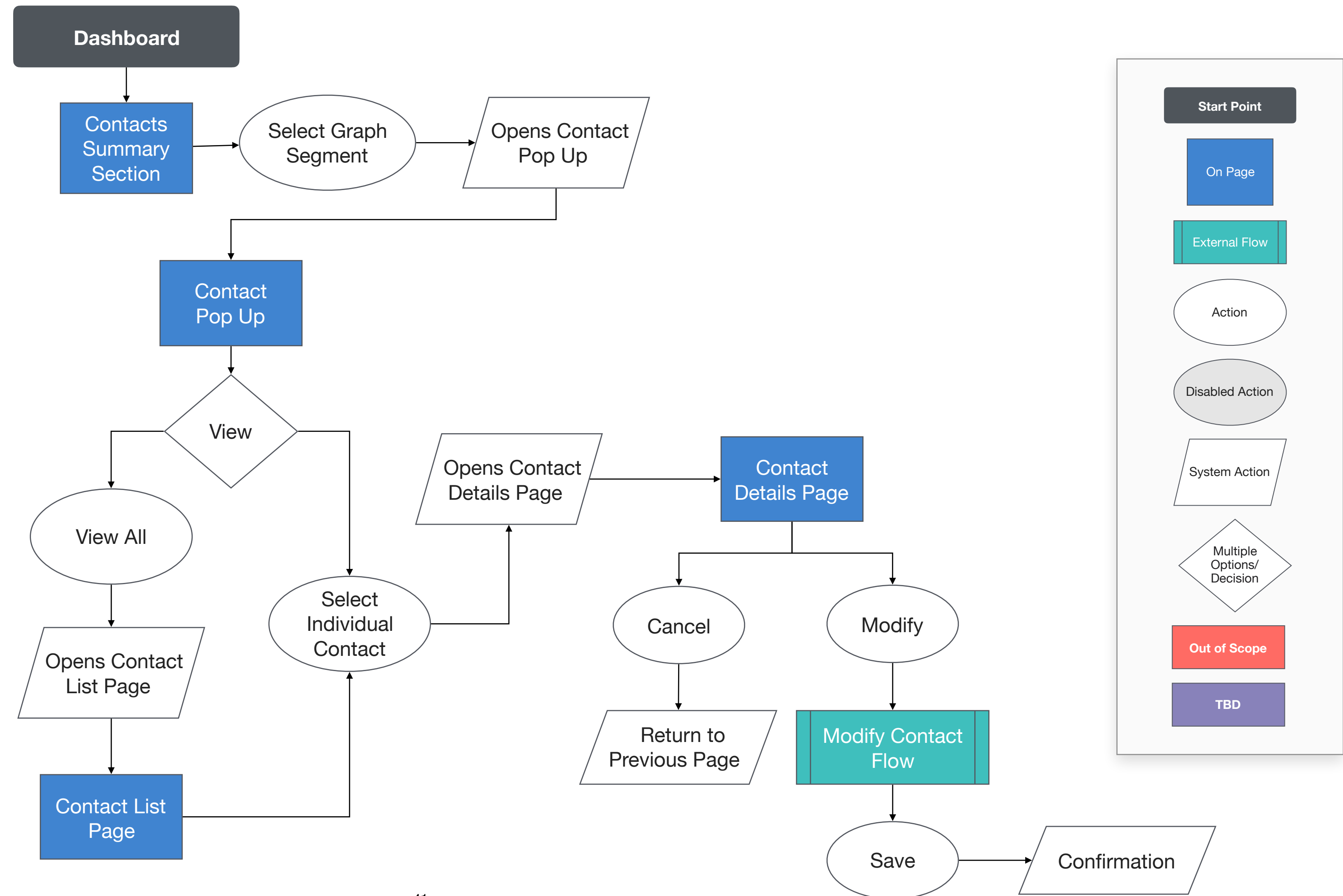
IRON	Ground Station	REV	Equipment String	State	DOY	Start Time	AOS	LOS	Stop Time
Conflicts have not been calculated.									

Cancel Submit Request

Dashboard - Contacts Summary Flow

This user flow shows the content and actions involved in the drill down of the Contacts Summary.

The following pages in this document (42-46) provide a full description of each step alongside the correlating screen of the App.



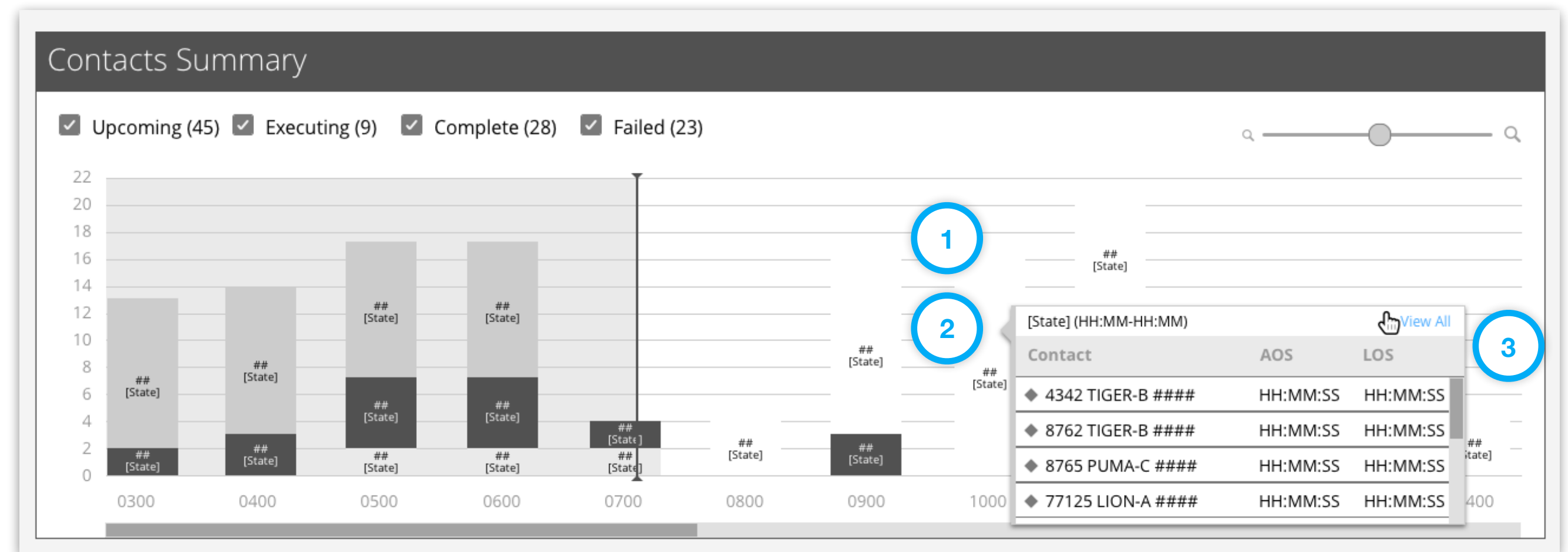
Dashboard - Contacts Summary Flow (View All)

Step

Click a segment of a bar in the graph, then click “View All” from within the pop up.

Features & Interactions

1. The number of contacts and contact state are labeled for that specific graph segment.
2. The click action of a graph segment displays a pop up for that segment.
3. Clicking “View All” sends the operator to a page with a full list of contacts for that segment.



GRM Wireframes.pdf, page 31

Dashboard - Contacts Summary Flow (View All)

Step

View the list of contacts according to the time block and associated state clicked in the graph, then click an individual contact to view full details.

Features & Interactions

1. Breadcrumb navigation will return user to the Dashboard.
2. Contact list displays contacts in the state and time period from the segment selected.
3. Clicking an individual contact sends the operator to a page with that contact's details.

Priority	Status	IRON	Ground Station	REV	Equipment String	State	DOY	Start Time	AOS	LOS	Stop Time
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS

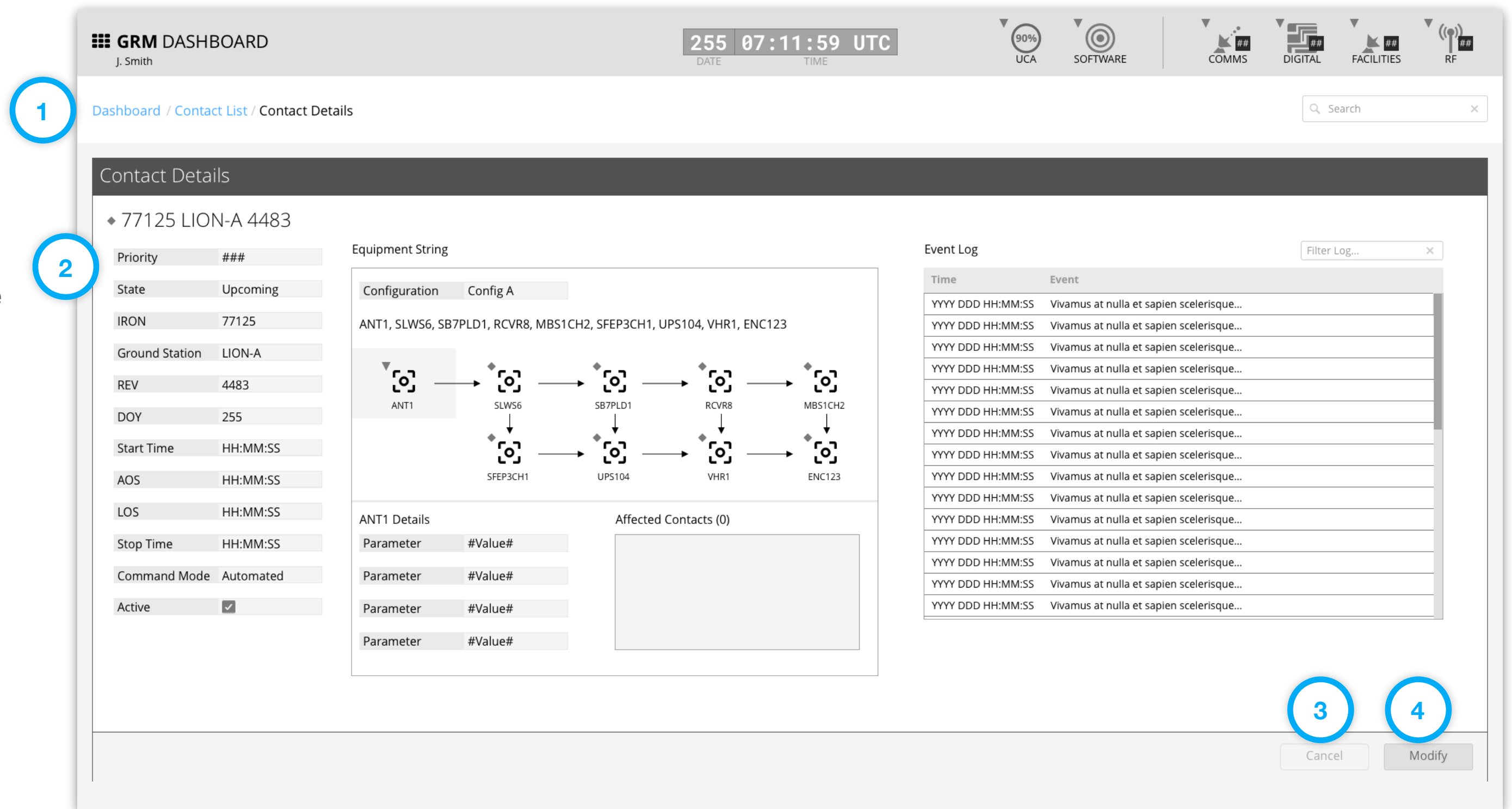
Dashboard - Contacts Summary Flow (View All)

Step

View the full contact details.

Features & Interactions

1. Breadcrumb navigation will return user to the previous page or the Dashboard.
2. Full contact details, Equipment String and Event Log are displayed.
3. Cancel returns operator to previous Contact List page.
4. Modify puts the contact in an editable mode that allows the operator to apply changes.



GRM DASHBOARD
J. Smith

255 07:11:59 UTC
DATE TIME

90% UCA SOFTWARE COMMS DIGITAL FACILITIES RF

Dashboard / Contact List / Contact Details

Search

Contact Details

77125 LION-A 4483

Priority	###
State	Upcoming
IRON	77125
Ground Station	LION-A
REV	4483
DOY	255
Start Time	HH:MM:SS
AOS	HH:MM:SS
LOS	HH:MM:SS
Stop Time	HH:MM:SS
Command Mode	Automated
Active	<input checked="" type="checkbox"/>

Equipment String

Configuration Config A

ANT1, SLWS6, SB7PLD1, RCVR8, MBS1CH2, SFEP3CH1, UPS104, VHR1, ENC123

```

graph LR
    ANT1 --> SLWS6
    SLWS6 --> SB7PLD1
    SB7PLD1 --> RCVR8
    RCVR8 --> MBS1CH2
    MBS1CH2 --> ENC123
    SLWS6 --> SFEP3CH1
    SFEP3CH1 --> UPS104
    UPS104 --> VHR1
    VHR1 --> ENC123
  
```

ANT1 Details

Parameter	#Value#
Parameter	#Value#
Parameter	#Value#
Parameter	#Value#

Affected Contacts (0)

--

Event Log

Time	Event
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...

Filter Log...

Cancel Modify

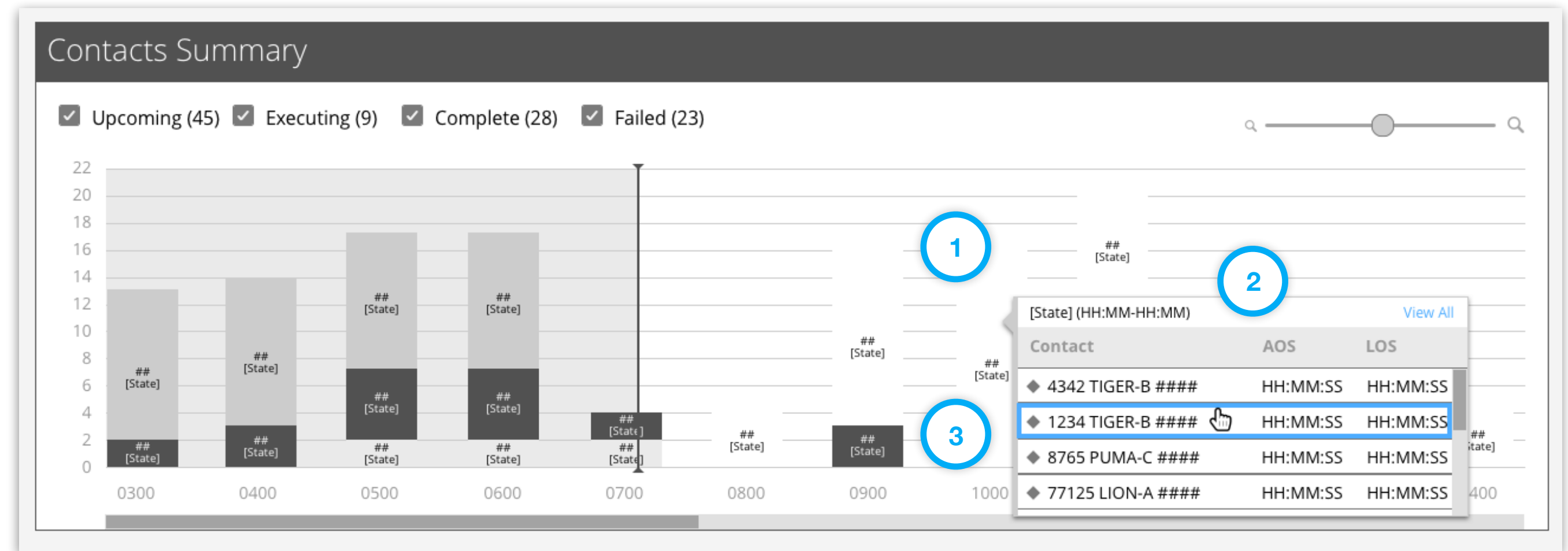
Dashboard - Contacts Summary Flow (Individual Contact)

Step

Click a segment of a bar in the graph, then click an individual contact.

Features & Interactions

1. The number of contacts and contact state are labeled for that specific graph segment.
2. The click action of a graph segment displays a pop up for that segment.
3. Clicking an individual contact sends the operator to a page with that contact's details.



GRM Wireframes.pdf, page 34

Dashboard - Contacts Summary Flow (View All)

Step

View the full contact details.

Features & Interactions

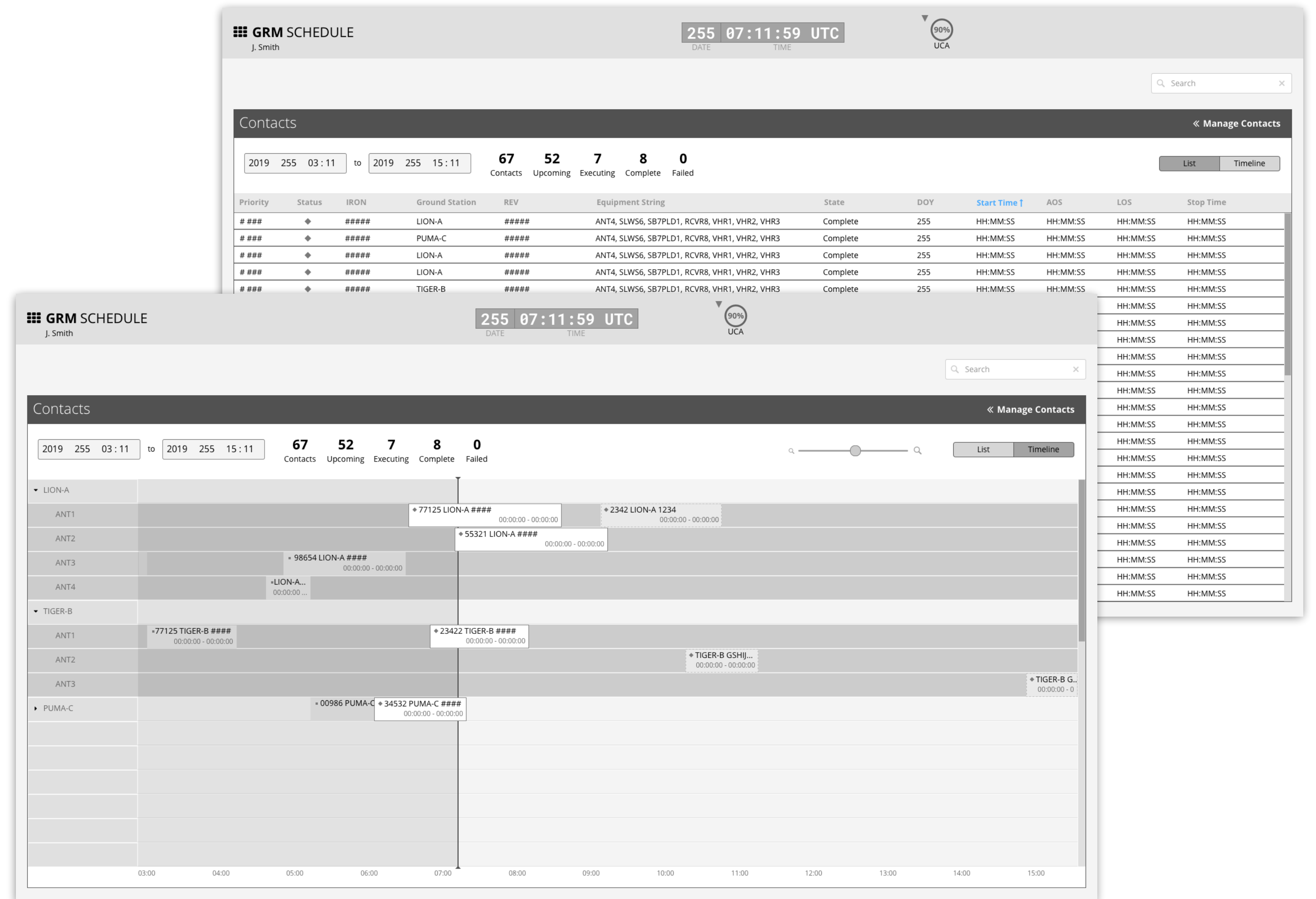
1. Breadcrumb navigation will return user to the Dashboard.
2. Full contact details, Equipment String and Event Log are displayed.
3. Cancel returns operator to the Dashboard.
4. Modify puts the contact in an editable mode that allows the operator to apply changes.

Schedule

Schedule Overview

The Schedule application allows operators to view and interact with the full schedule of contacts via a Timeline or List View.

In addition, it allows the operator to add, view details, filter, modify and delete contacts.



GRM SCHEDULE
J. Smith

255 07:11:59 UTC
DATE TIME

90% UCA

Search

Contacts << Manage Contacts

2019 255 03:11 to 2019 255 15:11

67 52 7 8 0
Contacts Upcoming Executing Complete Failed

Priority	Status	IRON	Ground Station	REV	Equipment String	State	DOY	Start Time ↑	AOS	LOS	Stop Time
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS

List Timeline

GRM SCHEDULE
J. Smith

255 07:11:59 UTC
DATE TIME

90% UCA

Search

Contacts << Manage Contacts

2019 255 03:11 to 2019 255 15:11

67 52 7 8 0
Contacts Upcoming Executing Complete Failed

Timeline View

Timeline showing contacts for LION-A, TIGER-B, and PUMA-C ground stations with their respective equipment strings and scheduled times.

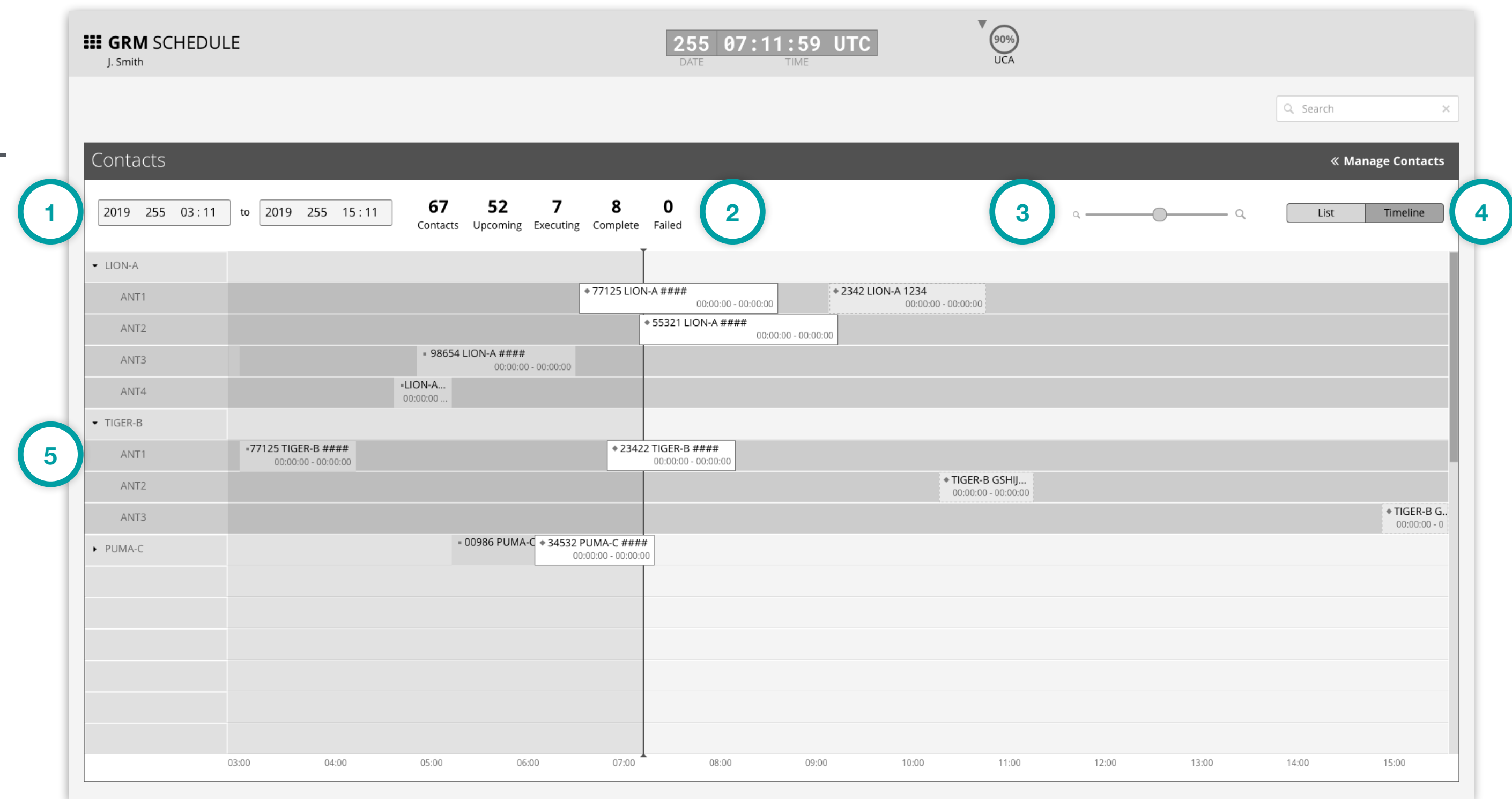
Schedule - Timeline View

Functionality

The Timeline View lists the Ground Stations and Antennas on the y-axis, and time intervals on the x-axis. The width of the horizontal bars in the graph depicts the duration of each contact.

Features & Interactions

1. Default time range set to 12 hours (4 hours in the past, 8 hours in the future). The default duration should be configured by each squadron at set up time.
2. Top line data aggregates; total contacts and contact state counts.
3. To zoom in to the Timeline, drag the slider to the right. To zoom out of the Timeline, drag the slider to the left.
4. List and Timeline view toggle control.
5. The primary row consists of the Ground Station which can be expanded to display nested rows of Antennas.



GRM Wireframes.pdf, page 42

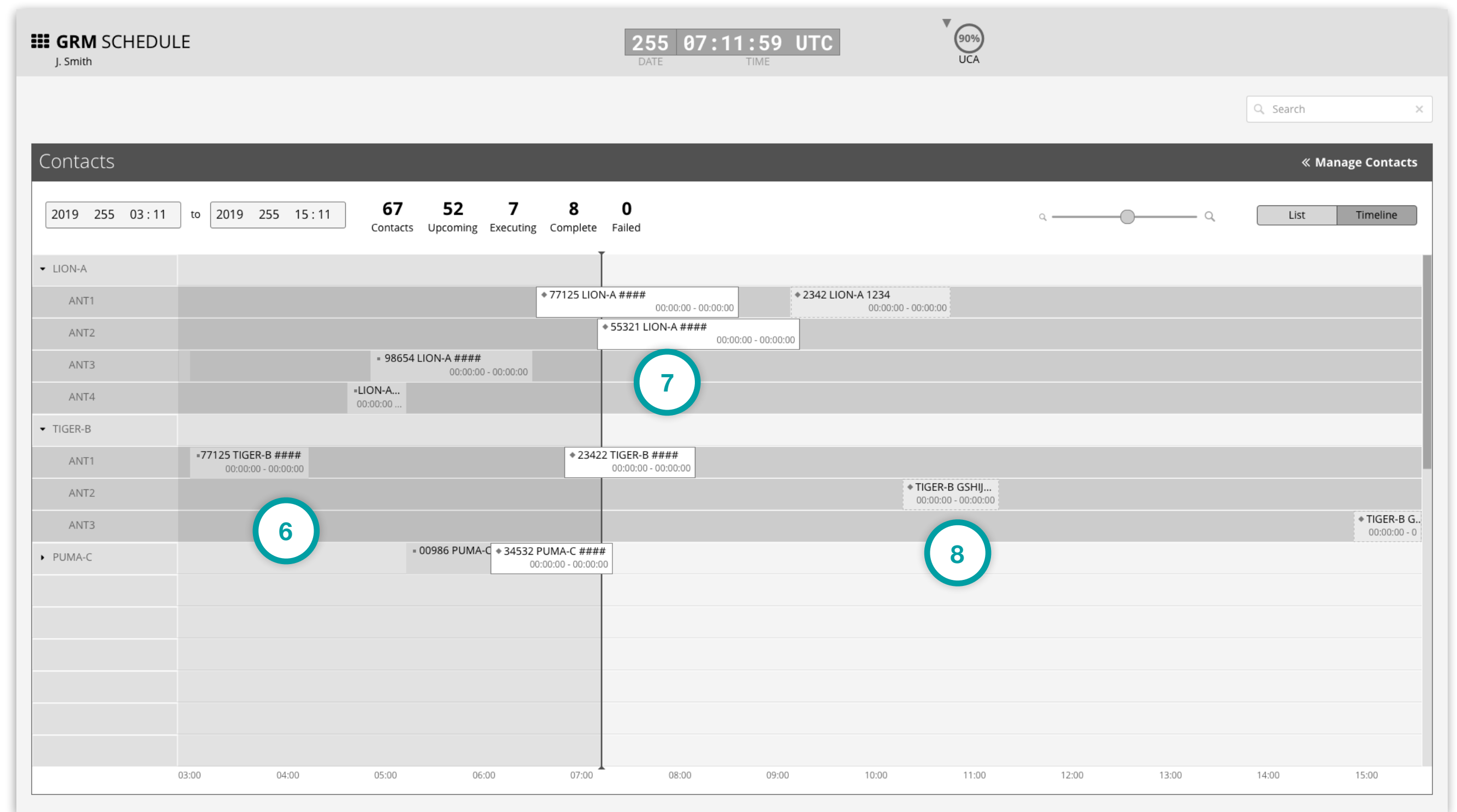
Schedule - Timeline View (Continued)

Functionality

The Timeline View lists the Ground Stations and Antennas on the y-axis, and time intervals on the x-axis. The width of the horizontal bars in the graph depicts the duration of each contact.

Features & Interactions

6. Completed Contacts appear to the left of the playhead with a monitoring icon indicating final state, contact name, and time stamp.
7. Executing Contacts appear on the playhead with a monitoring icon indicating current state, contact name, and time stamp.
8. Upcoming Contacts appear to the right of the playhead with a monitoring icon indicating current state, contact name, and time stamp.



GRM Wireframes.pdf, page 42

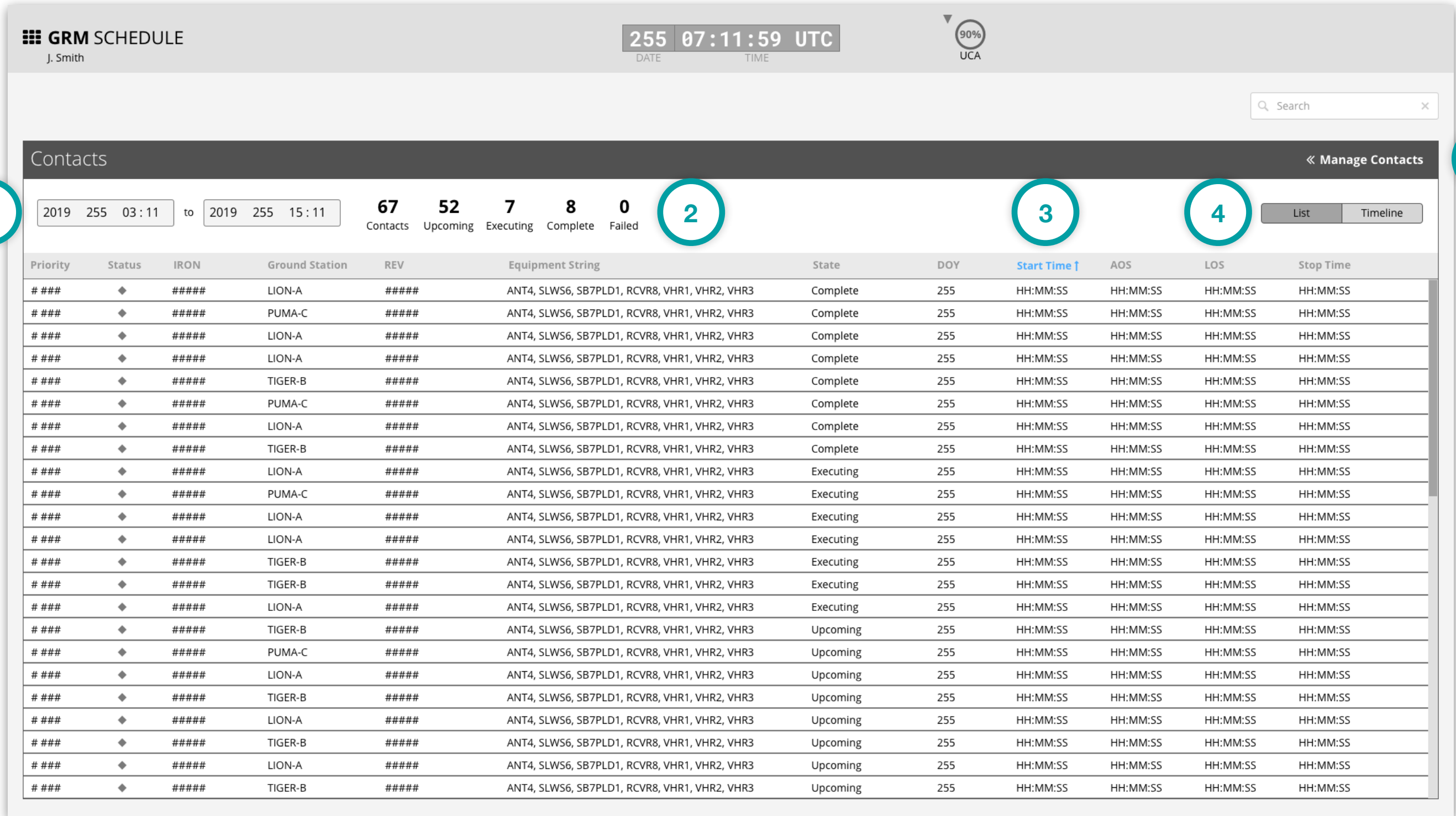
Schedule - List View

Functionality

The List View displays contact data in a tabular format for readability across multiple data points.

Features & Interactions

1. Default time range set to 12 hours (4 hours in the past, 8 hours in the future). The default duration should be configured by each squadron at set up time.
2. Top line data aggregates; total contacts and contact state counts.
3. Sortable column headers, default sort set to ascending Start Time.
4. List and Timeline view toggle control.
5. Manage Contacts Pane toggle control.



The screenshot shows the GRM SCHEDULE interface. At the top, it displays 'GRM SCHEDULE' and the user 'J. Smith'. The current date and time are '255 07:11:59 UTC'. A search bar is located in the top right. Below the header, there's a 'Contacts' section with a 'Manage Contacts' toggle. A summary bar shows: '2019 255 03:11 to 2019 255 15:11' (1), followed by counts: '67 Contacts', '52 Upcoming', '7 Executing', '8 Complete', and '0 Failed' (2). There are view toggles for 'List' and 'Timeline' (3), and a 'Manage Contacts' pane toggle (4). The main table has columns: Priority, Status, IRON, Ground Station, REV, Equipment String, State, DOY, Start Time ↑, AOS, LOS, and Stop Time. The table contains 20 rows of contact data.

Priority	Status	IRON	Ground Station	REV	Equipment String	State	DOY	Start Time ↑	AOS	LOS	Stop Time
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	#####	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS

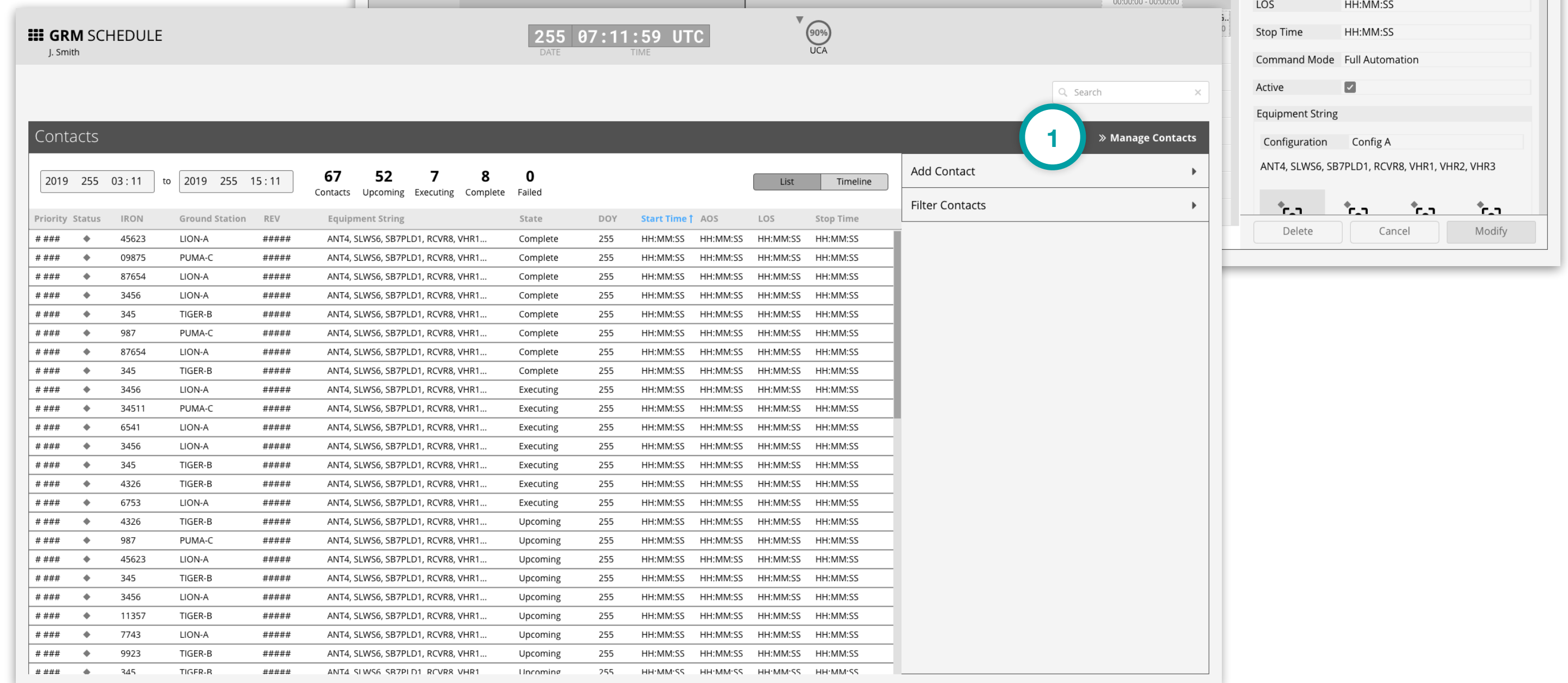
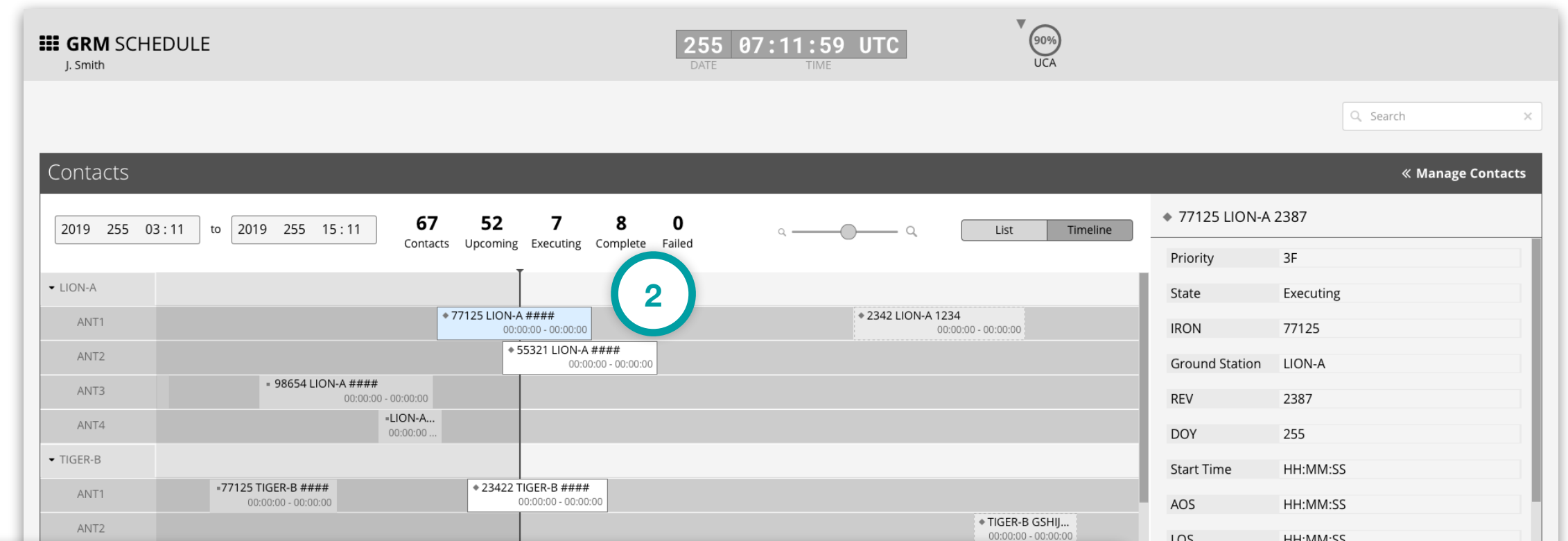
Schedule - Manage Contacts Pane

Functionality

The Manage Contacts Pane allows operators to perform certain actions, control how information is displayed, and access details in regards to contacts within the Schedule.

Features & Interactions

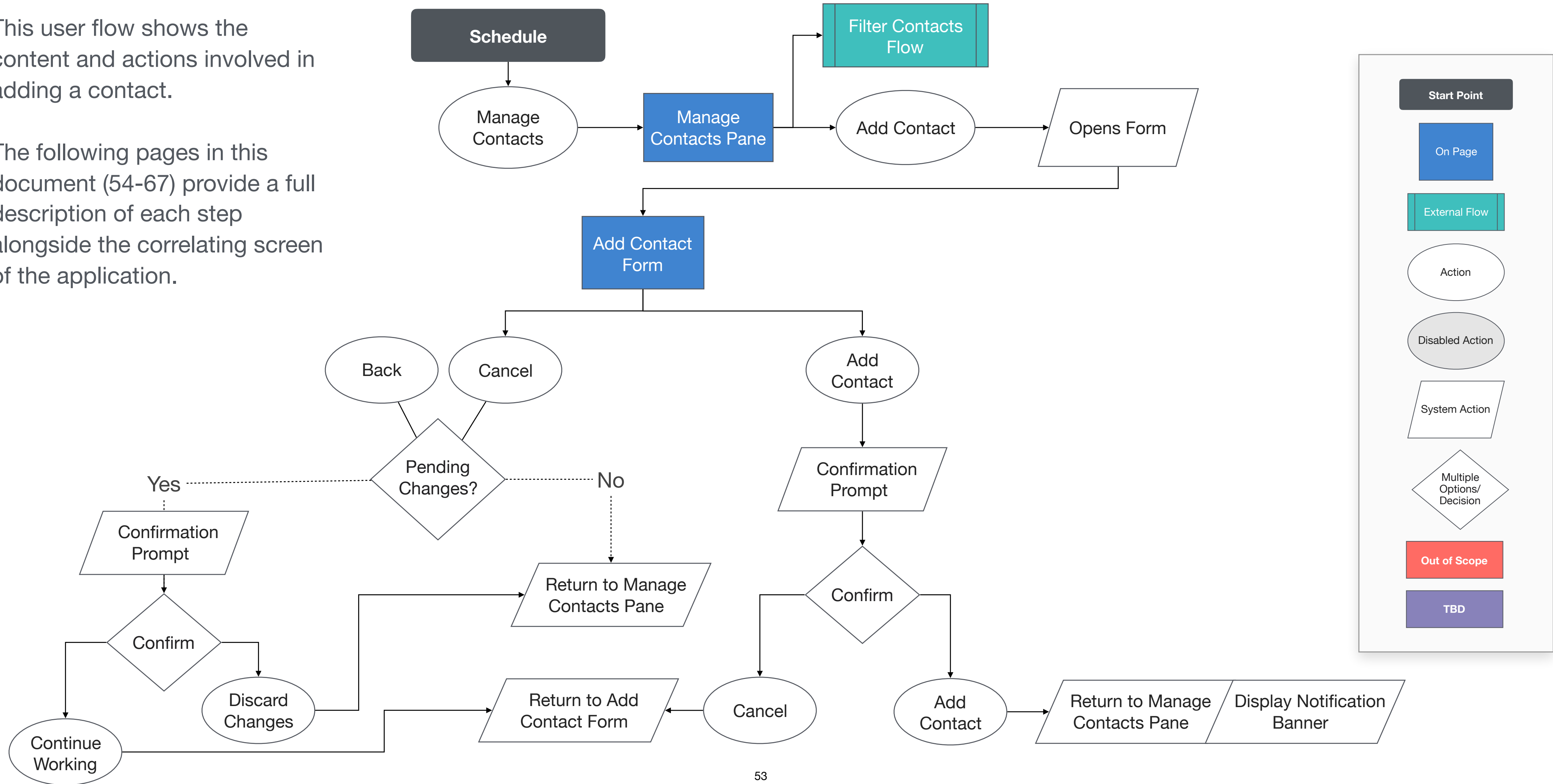
1. Clicking the Manage Contacts toggle displays root level actions of **adding a contact** or **filtering contacts**. Selecting an action navigates the operator to a subview within the pane.
2. Selecting a contact from the schedule displays contact details in the Manage Contacts Pane. Operators may **view**, **modify**, or **delete** the selected contact.



Schedule - Add Contact Flow

This user flow shows the content and actions involved in adding a contact.

The following pages in this document (54-67) provide a full description of each step alongside the correlating screen of the application.



Schedule - Add Contact Flow

Step

Click “Manage Contacts” to open the pane.

GRM SCHEDULE
J. Smith

255 07:11:59 UTC
DATE TIME UCA

90% UCA

Search

Contacts Manage Contacts

2019 255 03:11 to 2019 255 15:11

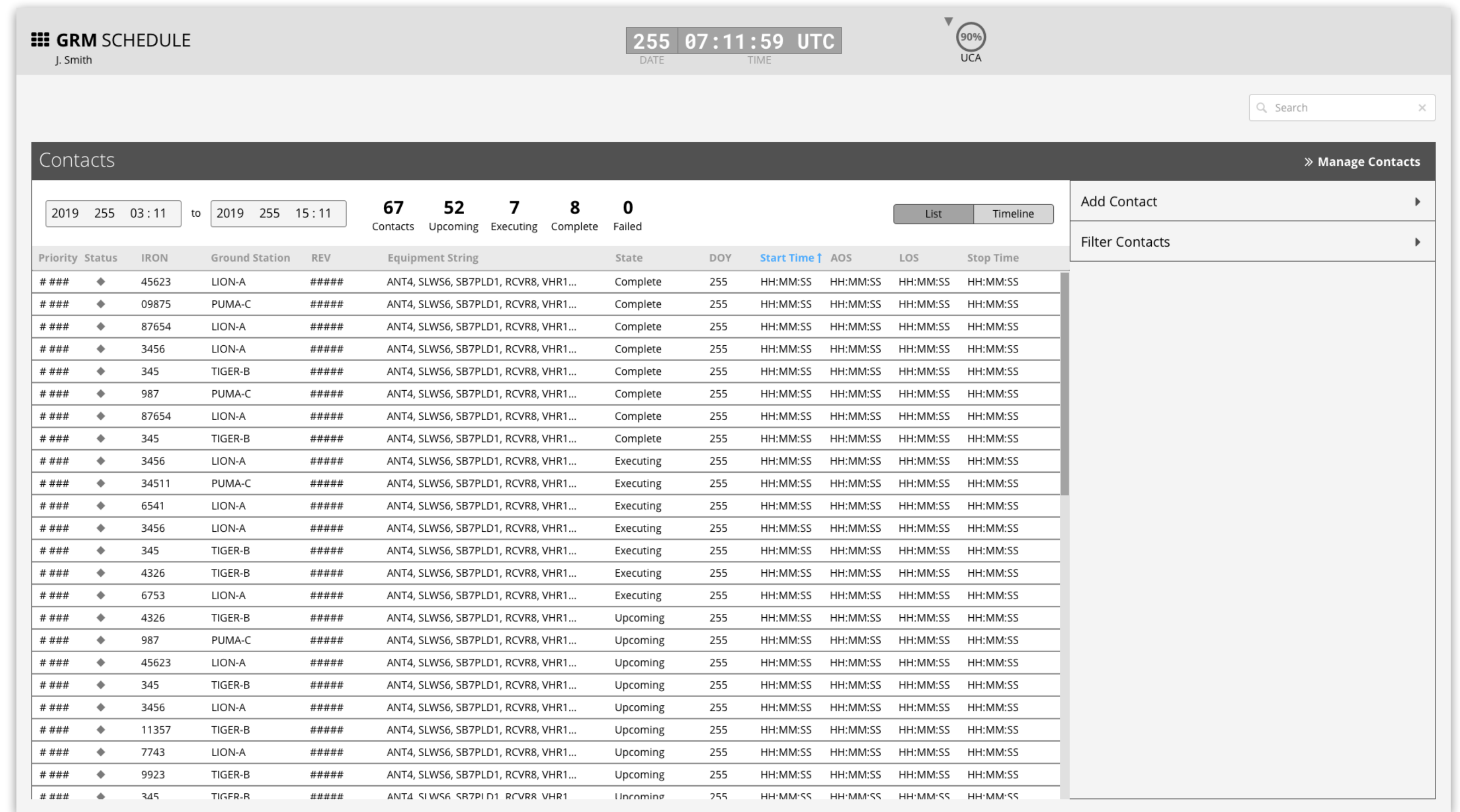
67 52 7 8 0
Contacts Upcoming Executing Complete Failed

Priority	Status	IRON	Ground Station	REV	Equipment String	State	DOY	Start Time ↑	AOS	LOS	Stop Time
###	◆	####	LION-A	####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	####	PUMA-C	####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	####	LION-A	####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	####	LION-A	####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	####	TIGER-B	####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	####	PUMA-C	####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	####	LION-A	####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	####	TIGER-B	####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	####	LION-A	####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	####	PUMA-C	####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	####	LION-A	####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	####	LION-A	####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	####	TIGER-B	####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	####	TIGER-B	####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	####	LION-A	####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	####	TIGER-B	####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	####	PUMA-C	####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	####	LION-A	####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	####	TIGER-B	####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	####	LION-A	####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	####	TIGER-B	####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	####	LION-A	####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	####	TIGER-B	####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS

Schedule - Add Contact Flow

Step

Click “Add Contact” to access the form.



The screenshot shows the GRM SCHEDULE interface. At the top, it displays 'GRM SCHEDULE' and the user 'J. Smith'. The current date and time are '255 07:11:59 UTC'. A search bar is located in the top right corner. Below the header, there is a 'Contacts' section with a summary of contact counts: 67 Contacts, 52 Upcoming, 7 Executing, 8 Complete, and 0 Failed. A table lists individual contacts with columns for Priority, Status, IRON, Ground Station, REV, Equipment String, State, DOY, Start Time, AOS, LOS, and Stop Time. On the right side, there is a sidebar with 'Add Contact' and 'Filter Contacts' buttons.

Priority	Status	IRON	Ground Station	REV	Equipment String	State	DOY	Start Time	AOS	LOS	Stop Time
###	◆	45623	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	09875	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	87654	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	987	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	87654	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	34511	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	6541	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	4326	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	6753	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	4326	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	987	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	45623	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	11357	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	7743	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	9923	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS

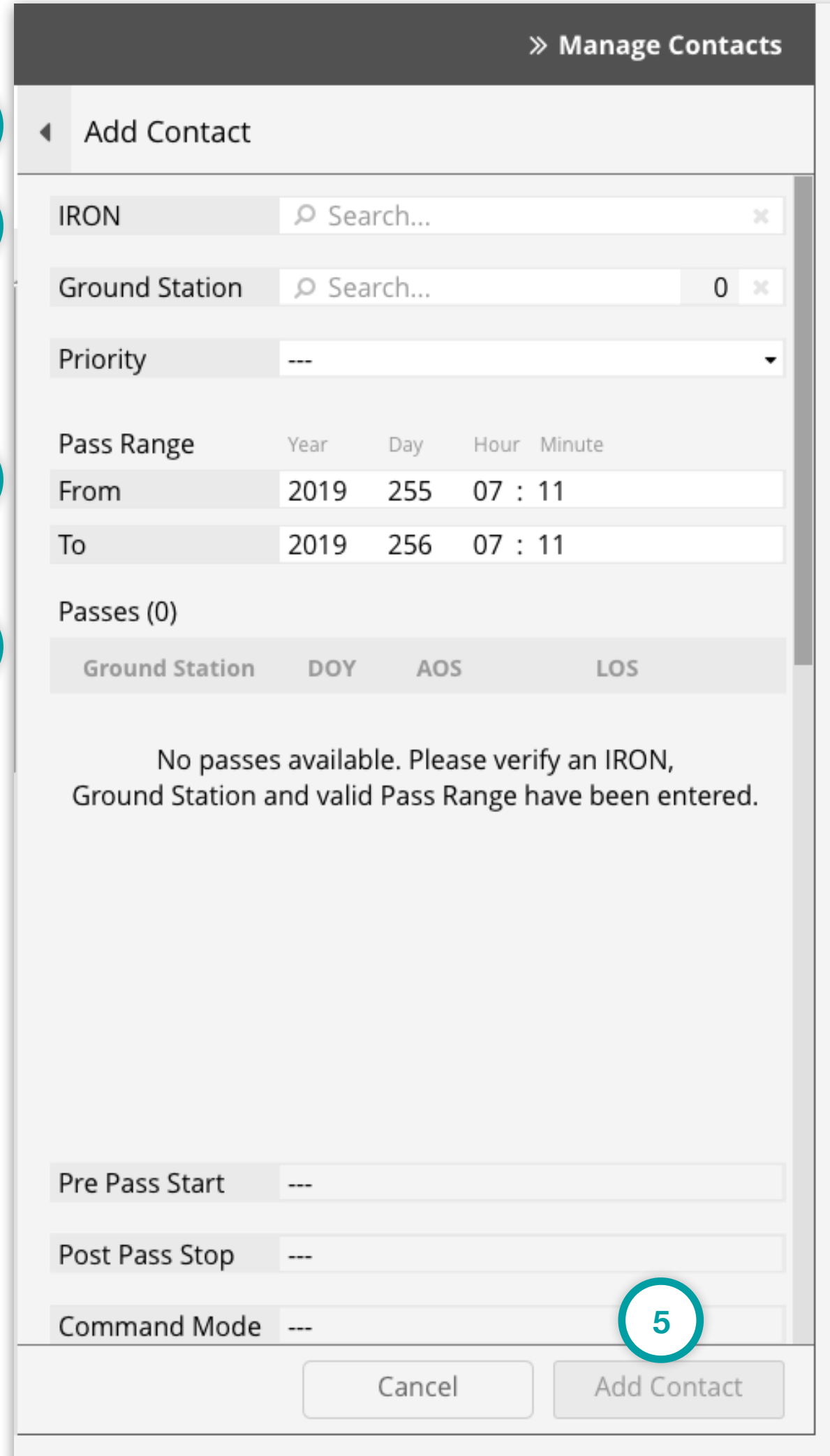
Schedule - Add Contact Flow

Step

Click “IRON” field to enter an IRON.

Features & Interactions

1. Back button returns user to the root level Manage Contacts Menu.
2. It is recommended to use a Search field when there are more than 10 or a dropdown list if there are fewer than 10 but more than 5 options for an IRON or SVID.
3. Pass Range may be populated with a default value of the current time in the From field and 24 hours ahead in the To field. The Pass Range should be configured by each squadron at set up time.
4. A list of Passes are generated when the required fields have been entered, until then a message is displayed for the empty state.
5. Cancel button returns user to the root level Manage Contacts Menu. Add Contact remains disabled until all fields have been entered.



The wireframe shows a mobile application screen titled "Manage Contacts" with a sub-header "Add Contact". The form contains the following fields and elements:

- 1**: A back arrow button in the top left corner.
- 2**: An "IRON" field with a search icon and a clear button (x).
- 2**: A "Ground Station" field with a search icon and a clear button (x), showing a value of "0".
- 3**: A "Priority" dropdown menu with a downward arrow.
- 3**: A "Pass Range" section with columns for "Year", "Day", "Hour", and "Minute". It includes "From" and "To" rows with values: From (2019, 255, 07 : 11) and To (2019, 256, 07 : 11).
- 4**: A "Passes (0)" section with a table header: "Ground Station", "DOY", "AOS", "LOS". Below the header is a message: "No passes available. Please verify an IRON, Ground Station and valid Pass Range have been entered."
- 5**: A "Command Mode" dropdown menu with a downward arrow.

At the bottom of the form are two buttons: "Cancel" and "Add Contact".

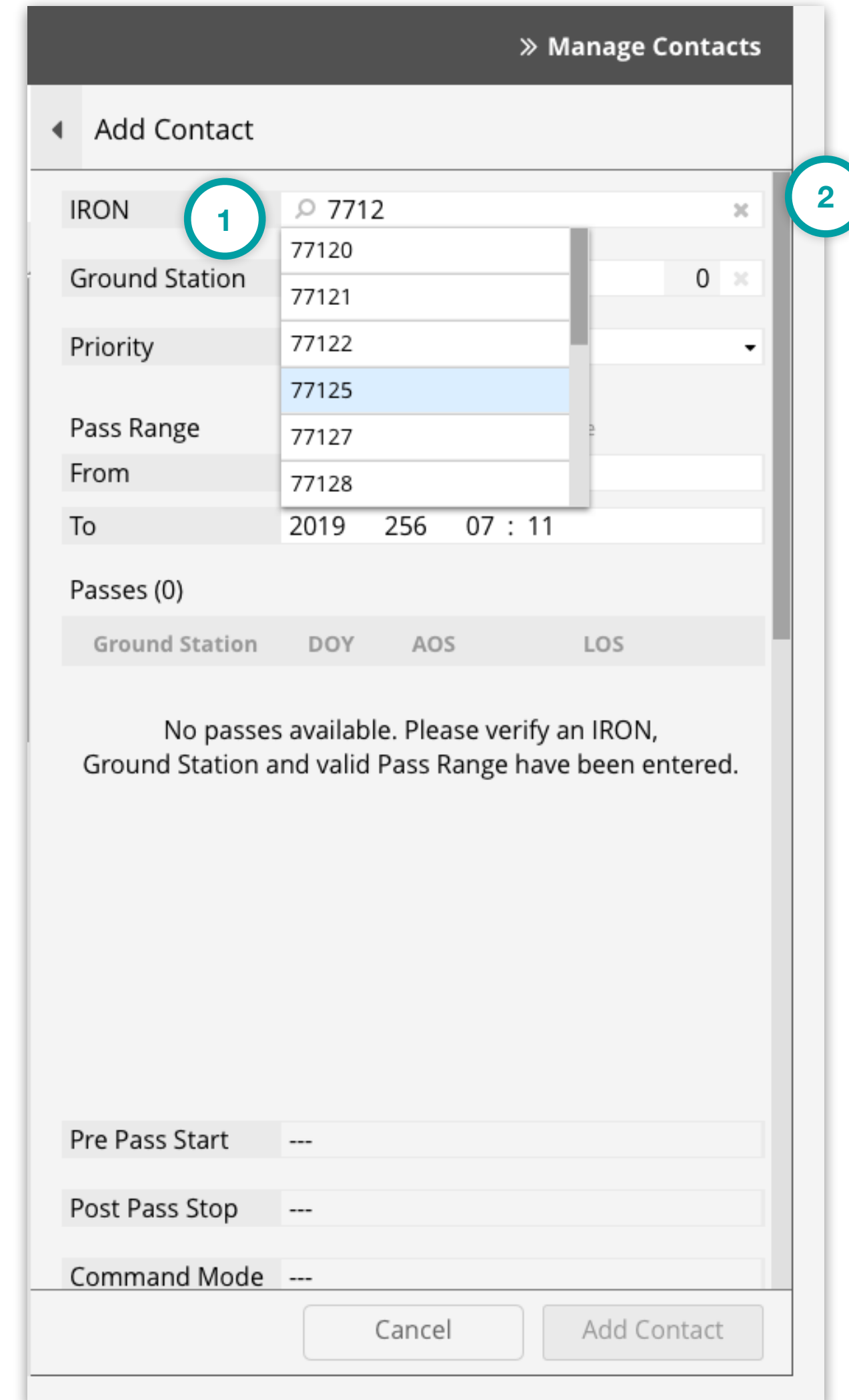
Schedule - Add Contact Flow

Step

Enter “IRON” and select the correct option.

Features & Interactions

1. As the value is entered, a list of possible results is populated. Only a single option may be selected.
2. The value may be quickly cleared by clicking the “x.”



» Manage Contacts

◀ Add Contact

IRON 7712

Ground Station 77120

Priority 77121

Pass Range 77122

From 77125

To 77127

To 2019 256 07 : 11

Passes (0)

Ground Station	DOY	AOS	LOS
No passes available. Please verify an IRON, Ground Station and valid Pass Range have been entered.			

Pre Pass Start ---

Post Pass Stop ---

Command Mode ---

Cancel Add Contact

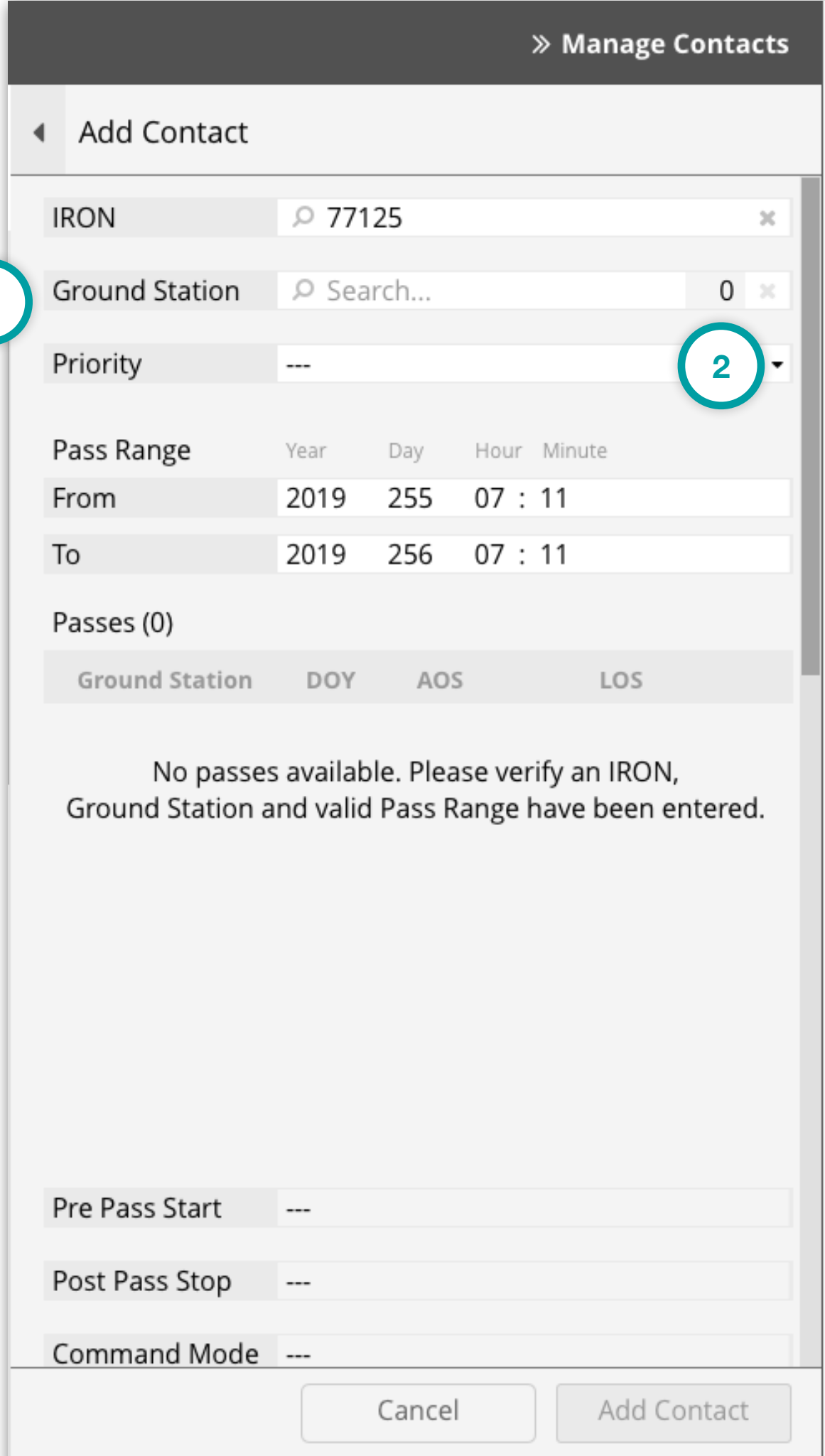
Schedule - Add Contact Flow

Step

Click “Ground Station” field to enter a Ground Station. Only Ground Stations that are compatible with the IRON will be available.

Features & Interactions

1. It is recommended to use a Search field when there are more than 10 or a dropdown list if there are fewer than 10 but more than 5 options for Ground Stations.
2. A counter indicates how many Ground Stations have been selected. One or many may be selected.



» Manage Contacts

◀ Add Contact

IRON 77125

1 Ground Station Search... 0

Priority --- 2

Pass Range Year Day Hour Minute

From 2019 255 07 : 11

To 2019 256 07 : 11

Passes (0)

Ground Station	DOY	AOS	LOS
No passes available. Please verify an IRON, Ground Station and valid Pass Range have been entered.			

Pre Pass Start ---

Post Pass Stop ---

Command Mode ---

Cancel Add Contact

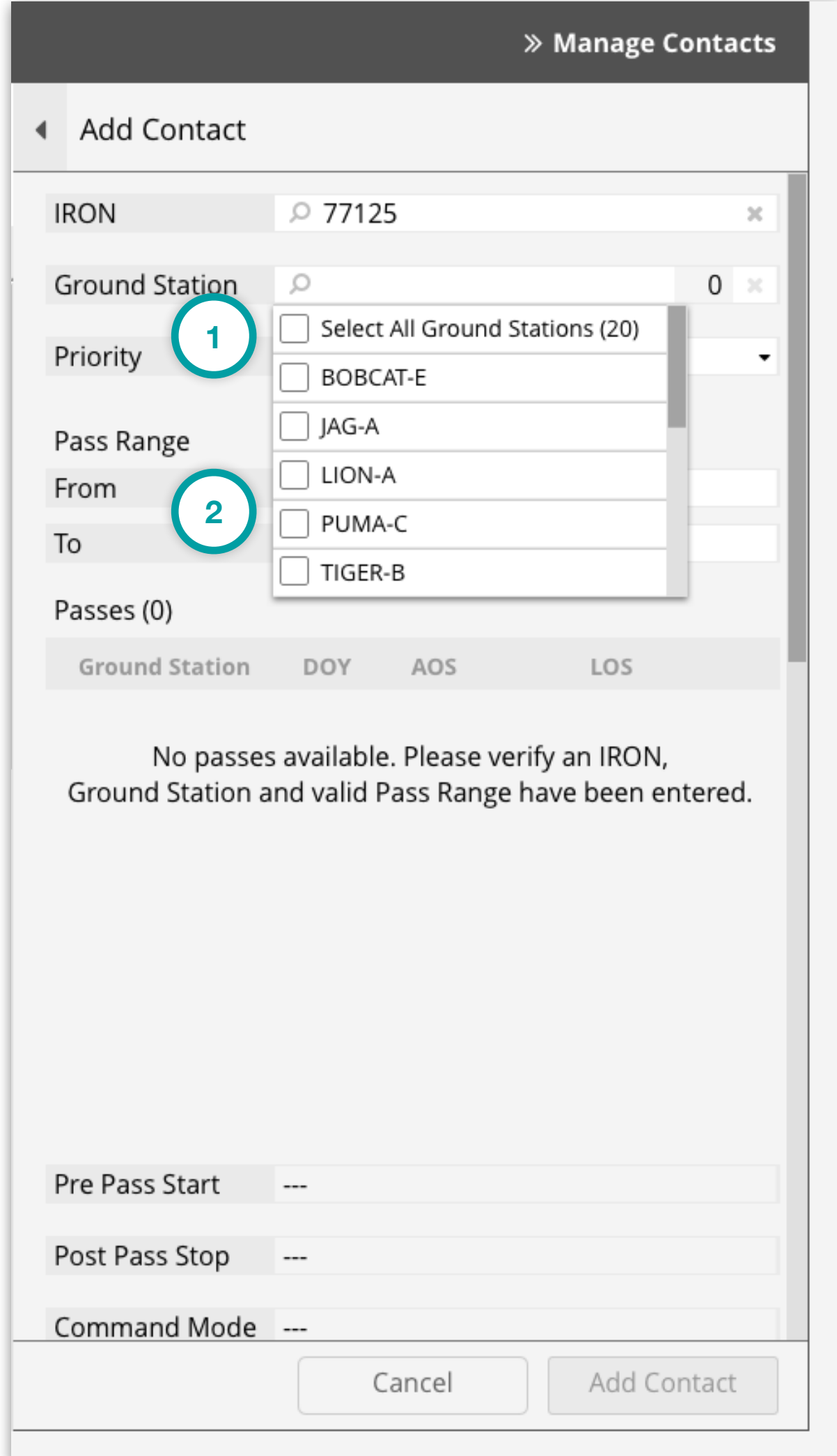
Schedule - Add Contact Flow

Step

“Ground Station” is the active field. A list of possible Ground Stations is displayed to select from.

Features & Interactions

1. The first option allows the operator to select All Ground Stations.
2. All other options are listed as individual Ground Stations where one or many may be selected.



» Manage Contacts

← Add Contact

IRON 77125

Ground Station 0

Priority 1

Pass Range

From 2

To

Passes (0)

Ground Station	DOY	AOS	LOS
No passes available. Please verify an IRON, Ground Station and valid Pass Range have been entered.			

Pre Pass Start ---

Post Pass Stop ---

Command Mode ---

Cancel Add Contact

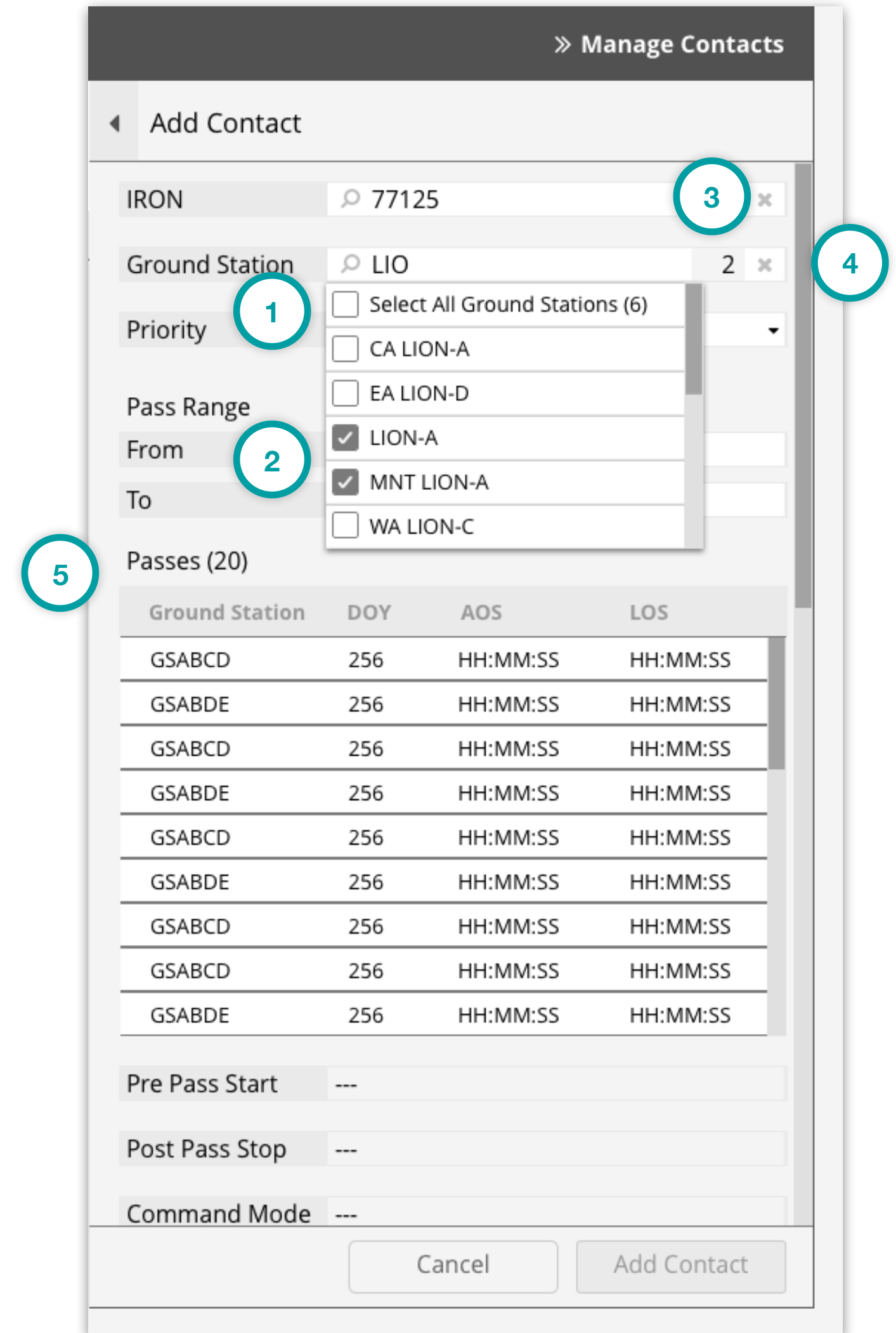
Schedule - Add Contact Flow

Step

Enter “IRON” and select the correct option.

Features & Interactions

1. As the value is entered, a list of possible results is populated.
2. One, many or all options may be selected.
3. The counter reflects how many Ground Stations have been selected.
4. The value may be quickly cleared by clicking the “x.”
5. As Ground Stations are selected, the Passes are generated from the IRON, Ground Station, and Pass Range values entered.



» Manage Contacts

← Add Contact

IRON 77125 3 x

Ground Station LIO 2 x 4

Priority 1

Pass Range

From 2

To

Select All Ground Stations (6)
 CA LION-A
 EA LION-D
 LION-A
 MNT LION-A
 WA LION-C

Passes (20) 5

Ground Station	DOY	AOS	LOS
GSABCD	256	HH:MM:SS	HH:MM:SS
GSABDE	256	HH:MM:SS	HH:MM:SS
GSABCD	256	HH:MM:SS	HH:MM:SS
GSABDE	256	HH:MM:SS	HH:MM:SS
GSABCD	256	HH:MM:SS	HH:MM:SS
GSABDE	256	HH:MM:SS	HH:MM:SS
GSABCD	256	HH:MM:SS	HH:MM:SS
GSABDE	256	HH:MM:SS	HH:MM:SS
GSABCD	256	HH:MM:SS	HH:MM:SS
GSABDE	256	HH:MM:SS	HH:MM:SS

Pre Pass Start ---

Post Pass Stop ---

Command Mode ---

Cancel Add Contact

Schedule - Add Contact Flow

Step

Enter "Priority" value.

Features & Interactions

1. Priority formatting and scales may be configured accordingly. It is recommended to use a Search field when there are more than 10 options or a dropdown list if there are fewer than 10 but more than 5 options for priority values.
2. The available passes may be updated based on the priority selected where a higher priority contact is given the pass slot of a lower priority contact.

» Manage Contacts

◀ Add Contact

IRON
🔍 77125
✕

Ground Station
🔍 LION-A, MNT LION-A
2 ✕

Priority
3F
▼

Pass Range
Year
Day
Hour
Minute

From
2019
255
07 : 11

To
2019
256
07 : 11

Passes (20)

Ground Station	DOY	AOS	LOS
LION-A	256	HH:MM:SS	HH:MM:SS
MNT LION-A	256	HH:MM:SS	HH:MM:SS
MNT LION-A	256	HH:MM:SS	HH:MM:SS
MNT LION-A	256	HH:MM:SS	HH:MM:SS
LION-A	256	HH:MM:SS	HH:MM:SS
LION-A	256	HH:MM:SS	HH:MM:SS
LION-A	256	HH:MM:SS	HH:MM:SS
MNT LION-A	256	HH:MM:SS	HH:MM:SS
MNT LION-A	256	HH:MM:SS	HH:MM:SS

Pre Pass Start

Post Pass Stop

Command Mode

Cancel
Add Contact

Schedule - Add Contact Flow

Step

Specify the Pass Range.

Features & Interactions

1. Operators may alter the Year, Day, Hour and Minute. The “To” value must be greater than the current time and the “From” value.

» Manage Contacts

◀ Add Contact

IRON
77125 ✕

Ground Station
LION-A, MNT LION-A 2 ✕

Priority
3F ▼

Pass Range
Year Day Hour Minute

From
2019 256 16 : 00

To
2019 257 ⬇ 08 : 00

Passes (12)

Ground Station	DOY	AOS	LOS
LION-A	256	HH:MM:SS	HH:MM:SS
MNT LION-A	256	HH:MM:SS	HH:MM:SS
MNT LION-A	256	HH:MM:SS	HH:MM:SS
MNT LION-A	256	HH:MM:SS	HH:MM:SS
LION-A	256	HH:MM:SS	HH:MM:SS
LION-A	256	HH:MM:SS	HH:MM:SS
LION-A	256	HH:MM:SS	HH:MM:SS
MNT LION-A	256	HH:MM:SS	HH:MM:SS
MNT LION-A	256	HH:MM:SS	HH:MM:SS

Pre Pass Start

Post Pass Stop

Command Mode

Cancel
Add Contact

GRM Wireframes.pdf, page 51

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Schedule - Add Contact Flow

Step

Select a Pass.

Features & Interactions

1. The selected pass will calculate and populate the values for Pre Pass Start and Post Pass Stop.
2. The combination of the IRON, Ground Station, Priority, and selected Pass will determine and populate the optimal Equipment String Configuration.

» Manage Contacts

◀ Add Contact

Passes (12)

Ground Station	DOY	AOS	LOS
LION-A	256	HH:MM:SS	HH:MM:SS
MNT LION-A	256	HH:MM:SS	HH:MM:SS
MNT LION-A	256	HH:MM:SS	HH:MM:SS
MNT LION-A	256	HH:MM:SS	HH:MM:SS
LION-A	256	HH:MM:SS	HH:MM:SS
LION-A	256	HH:MM:SS	HH:MM:SS
LION-A	256	HH:MM:SS	HH:MM:SS
MNT LION-A	256	HH:MM:SS	HH:MM:SS
MNT LION-A	256	HH:MM:SS	HH:MM:SS


Pre Pass Start

Post Pass Stop

Command Mode

Equipment String Configuration

ANT4 SLWS6 SB7PLD1 RCVR8 VHR1 VHR2 VHR3



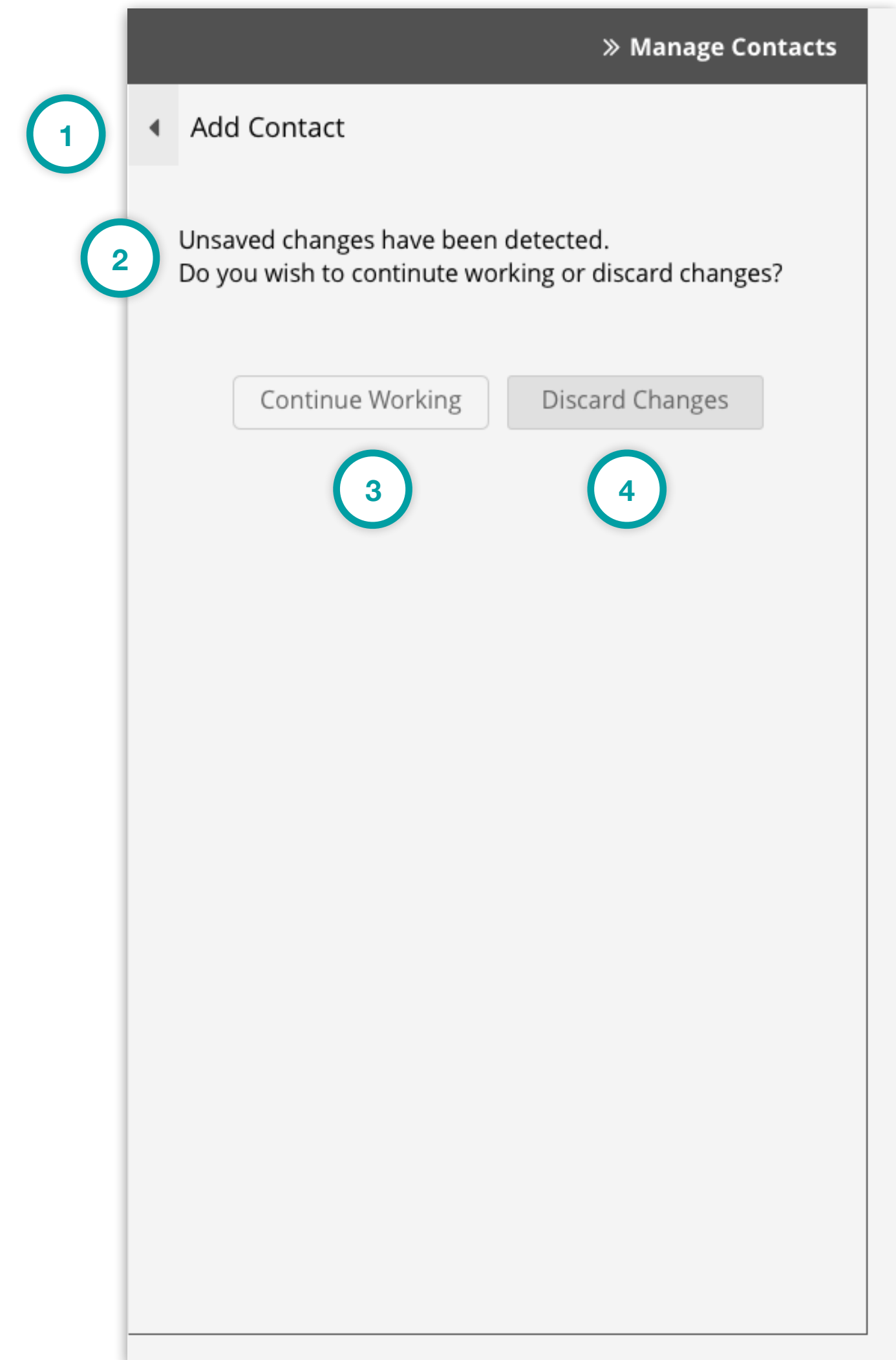
Schedule - Add Contact Flow

Step

Operator navigates away from the Add Contact form when there are unsaved changes.

Features & Interactions

1. Back button returns operator to the previous Add Contact form.
2. Unsaved changes detected message.
3. Continue Working returns operator to the previous Add Contact form.
4. Discard Changes does not submit changes and navigates operator to intended location.



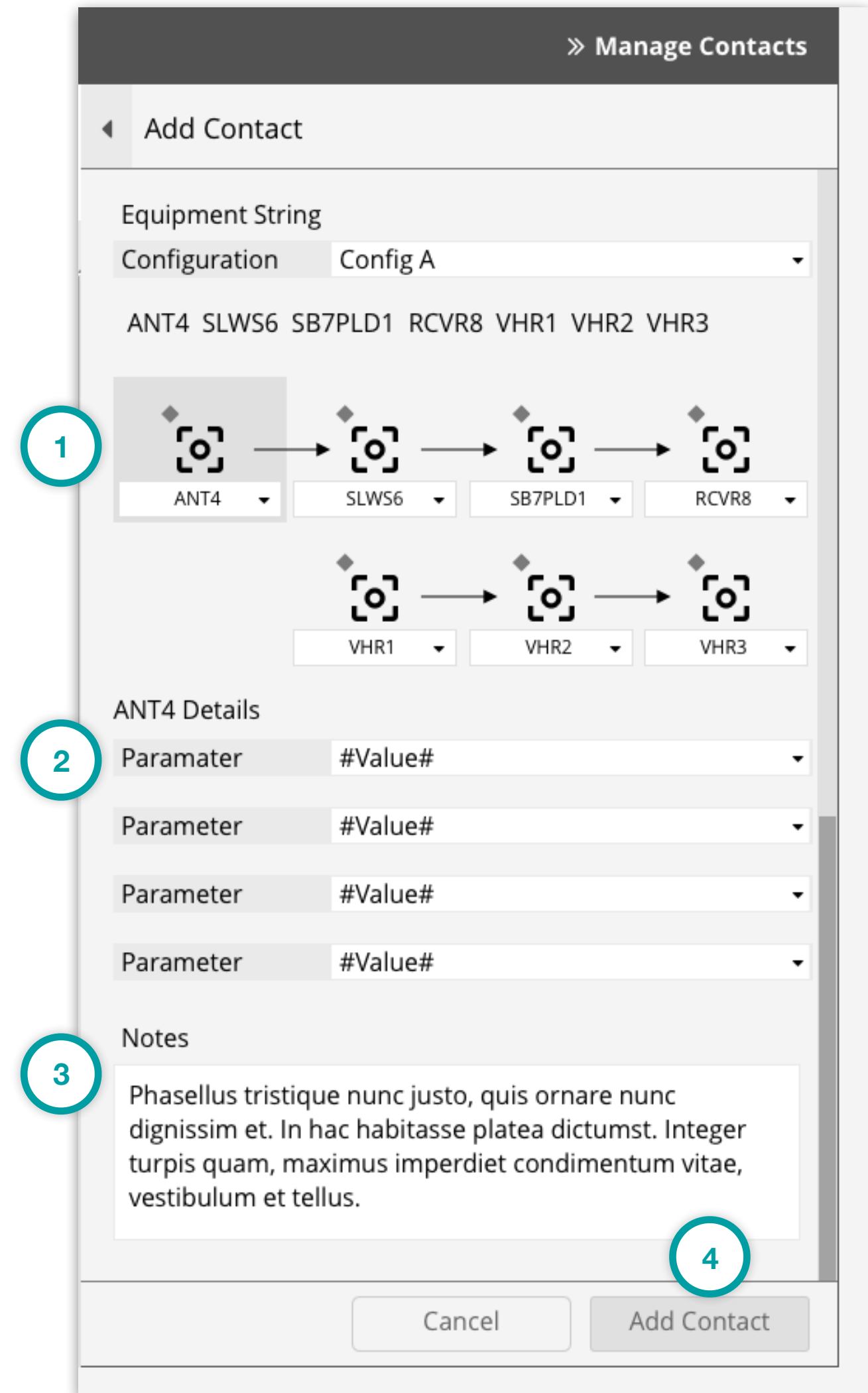
Schedule - Add Contact Flow

Step

Verify Equipment String, enter notes, and add contact.

Features & Interactions

1. Operators have the ability to modify the equipment string.
2. Operators have the ability to modify parameters of the selected equipment.
3. Notes must be added for a contact.
4. Once all requirements have been met, the “Add Contact” button becomes enabled.



» Manage Contacts

◀ Add Contact

Equipment String
Configuration Config A

ANT4 SLWS6 SB7PLD1 RCVR8 VHR1 VHR2 VHR3

1

2

3

4

ANT4 Details

Parameter #Value#

Parameter #Value#

Parameter #Value#

Parameter #Value#

Notes

Phasellus tristique nunc justo, quis ornare nunc dignissim et. In hac habitasse platea dictumst. Integer turpis quam, maximus imperdiet condimentum vitae, vestibulum et tellus.

Cancel Add Contact

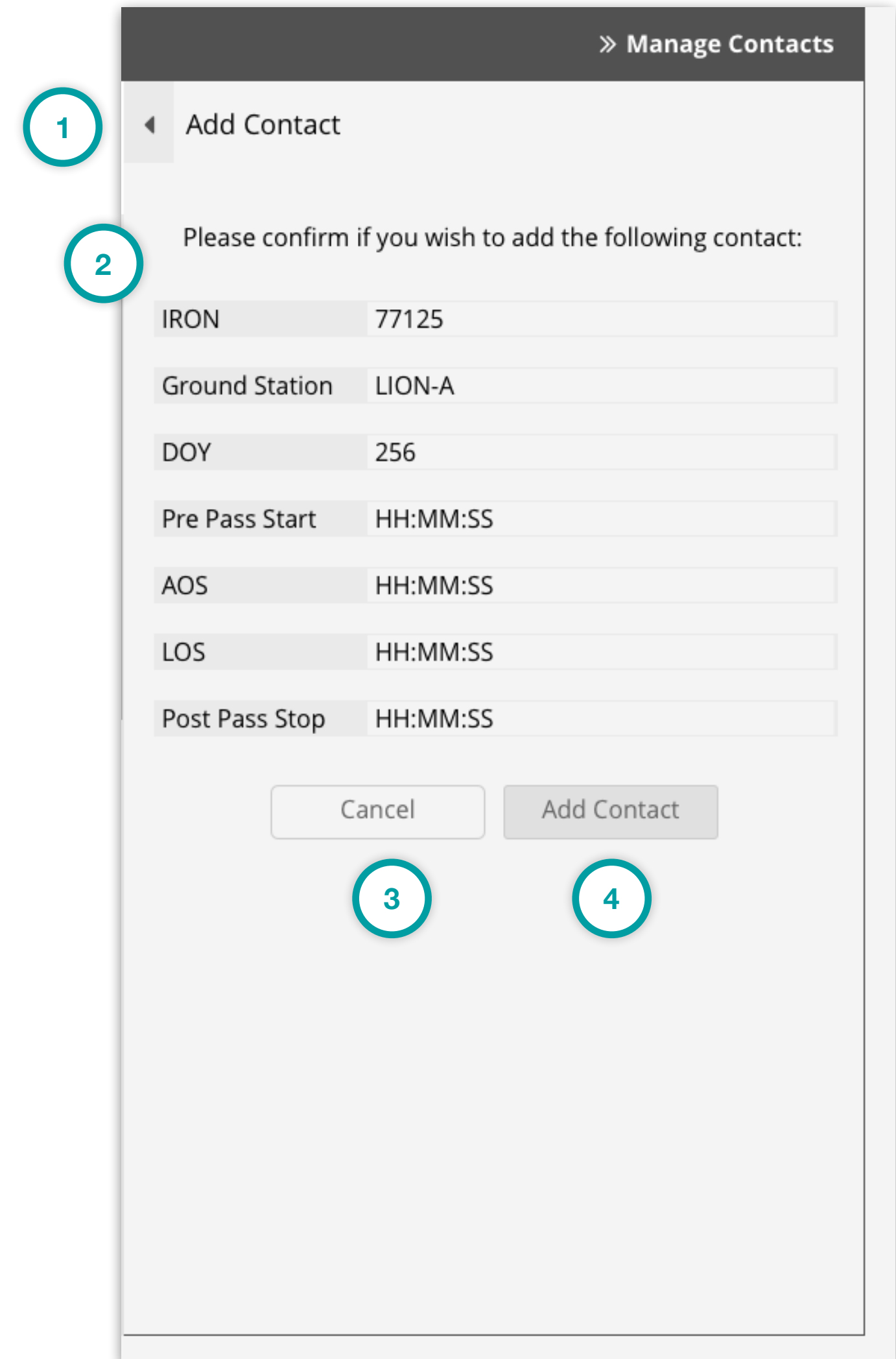
Schedule - Add Contact Flow

Step

Add Contact Confirmation.

Features & Interactions

1. Back button returns operator to the previous Add Contact form.
2. Confirmation message and summary are displayed to the operator.
3. Cancel returns operator to the previous Add Contact form.
4. Add Contact submits the new contact to the Schedule.



» Manage Contacts

1 ◀ Add Contact

Please confirm if you wish to add the following contact:

IRON 77125

Ground Station LION-A

DOY 256

Pre Pass Start HH:MM:SS

AOS HH:MM:SS

LOS HH:MM:SS

Post Pass Stop HH:MM:SS

Cancel Add Contact

3 4

Schedule - Add Contact Flow

Step

After clicking “Add Contact”, a Notification Banner displays showing that the contact has been added.

Features & Interactions

1. The Notification Banner displays directly below the Global Status Bar indicating which contact has been added. The operator can dismiss the banner by clicking the “X” button on the right.
2. Manage Contacts Pane returns to root level menu.

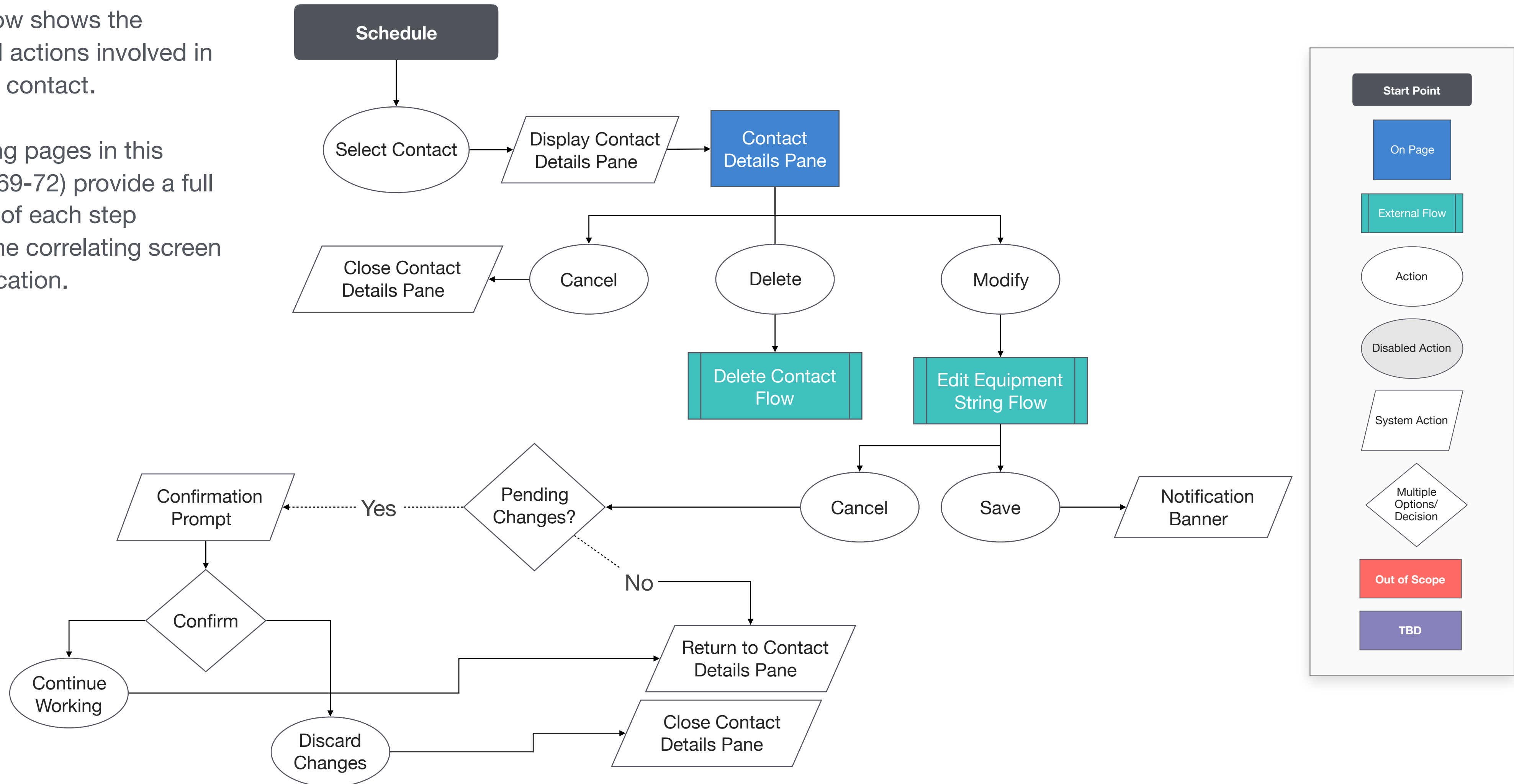
The screenshot shows the GRM SCHEDULE interface. At the top, there is a header with the user name 'J. Smith', the date '255 07:11:59 UTC', and a 90% UCA indicator. A notification banner at the top center states 'Contact 77125 LION-A 2387 has been added.' with a close button on the right. Below the banner is a 'Contacts' table with columns for Priority, Status, IRON, Ground Station, REV, Equipment String, State, DOY, Start Time, AOS, LOS, and Stop Time. The table contains 20 rows of contact data. On the right side, there is a 'Manage Contacts' pane with buttons for 'Add Contact' and 'Filter Contacts'.

Priority	Status	IRON	Ground Station	REV	Equipment String	State	DOY	Start Time	AOS	LOS	Stop Time
###	◆	45623	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	09875	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	87654	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	987	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	87654	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	34511	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	6541	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	4326	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	6753	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	4326	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	987	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	45623	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	11357	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	7743	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	9923	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS

Schedule - Modify Contact Flow

This user flow shows the content and actions involved in modifying a contact.

The following pages in this document (69-72) provide a full description of each step alongside the correlating screen of the application.



Schedule - Modify Contact Flow

Step

Select Contact to Modify.

Features & Interactions

1. The selected contact is highlighted in the schedule.
2. Contact details are displayed in the Manage Contacts Pane.
3. Modify button is enabled.

GRM SCHEDULE
J. Smith

255 07:11:59 UTC
DATE TIME UCA

Search

Contacts » Manage Contacts

2019 255 03:11 to 2019 256 03:11 **67** **52** **7** **8** **0**
Contacts Upcoming Executing Complete Failed

Priority	Status	IRON	Ground Station	REV	Equipment String	State	DOY	Start Time	AOS	LOS	Stop Time
###	◆	45623	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	09875	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	87654	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	987	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	87654	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	34511	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	6541	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	4326	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	6753	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	4326	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	987	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	77125	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	256	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	256	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	256	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	11357	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	256	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	7743	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	256	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	9923	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	256	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	256	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS

77125 LION-A 2387

Priority 3F

State Upcoming

IRON 77125

Ground Station LION-A

REV 2387

DOY 256

Start Time HH:MM:SS

AOS HH:MM:SS

LOS HH:MM:SS

Stop Time HH:MM:SS

Command Mode Full Automation

Active

Equipment String

Configuration Config A

ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3

Delete Cancel **Modify**

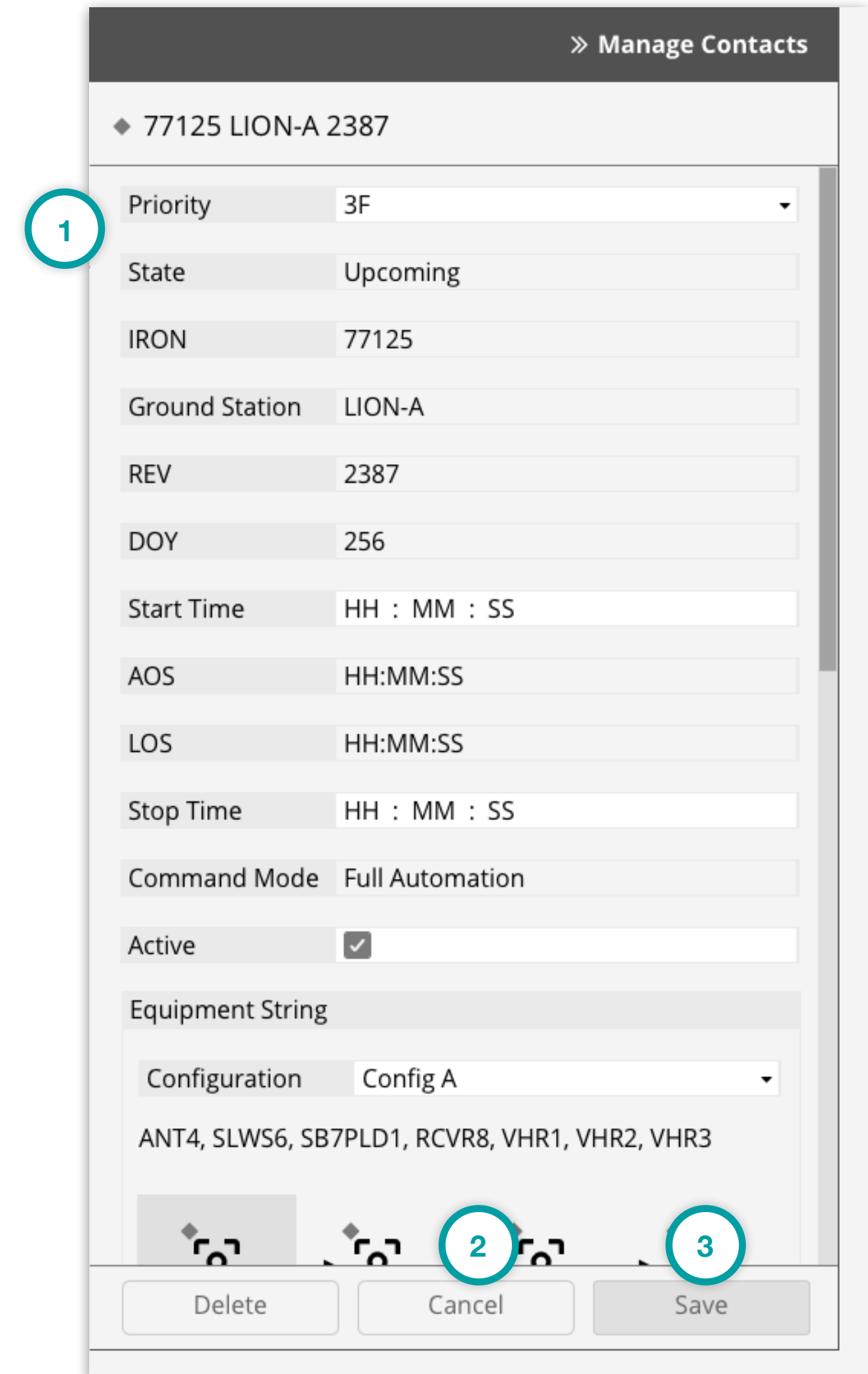
Schedule - Modify Contact Flow

Step

Modify contact.

Features & Interactions

1. Contact conditions may Allow, Limit, or Prohibit fields to be editable.
2. Cancel returns operator to the read-only version of the contact details.
3. Save submits the operator's changes.



» Manage Contacts

◆ 77125 LION-A 2387

1 Priority 3F

State Upcoming

IRON 77125

Ground Station LION-A

REV 2387

DOY 256

Start Time HH : MM : SS

AOS HH:MM:SS

LOS HH:MM:SS

Stop Time HH : MM : SS

Command Mode Full Automation

Active

Equipment String

Configuration Config A

ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3

Delete Cancel Save

2 3

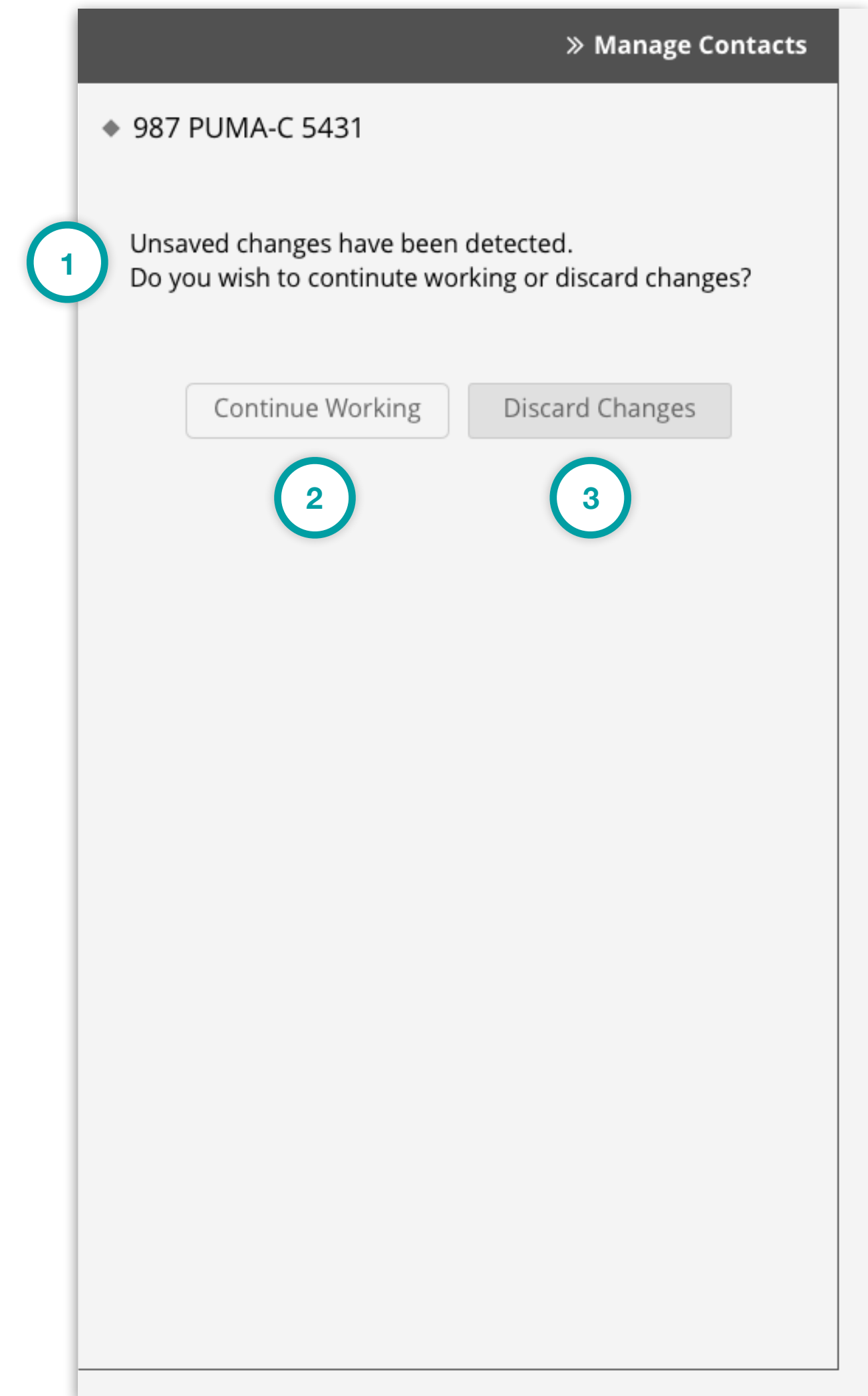
Schedule - Modify Contact Flow

Step

Operator navigates away from modifying a contact when there are unsaved changes.

Features & Interactions

1. Unsaved changes detected message.
2. Continue Working returns operator to the previous editable pane.
3. Discard Changes does not submit changes and navigates operator to intended location.



Schedule - Modify Contact Flow

Step

After clicking “Save”, a Notification Banner displays showing that the changes have been saved.

Features & Interactions

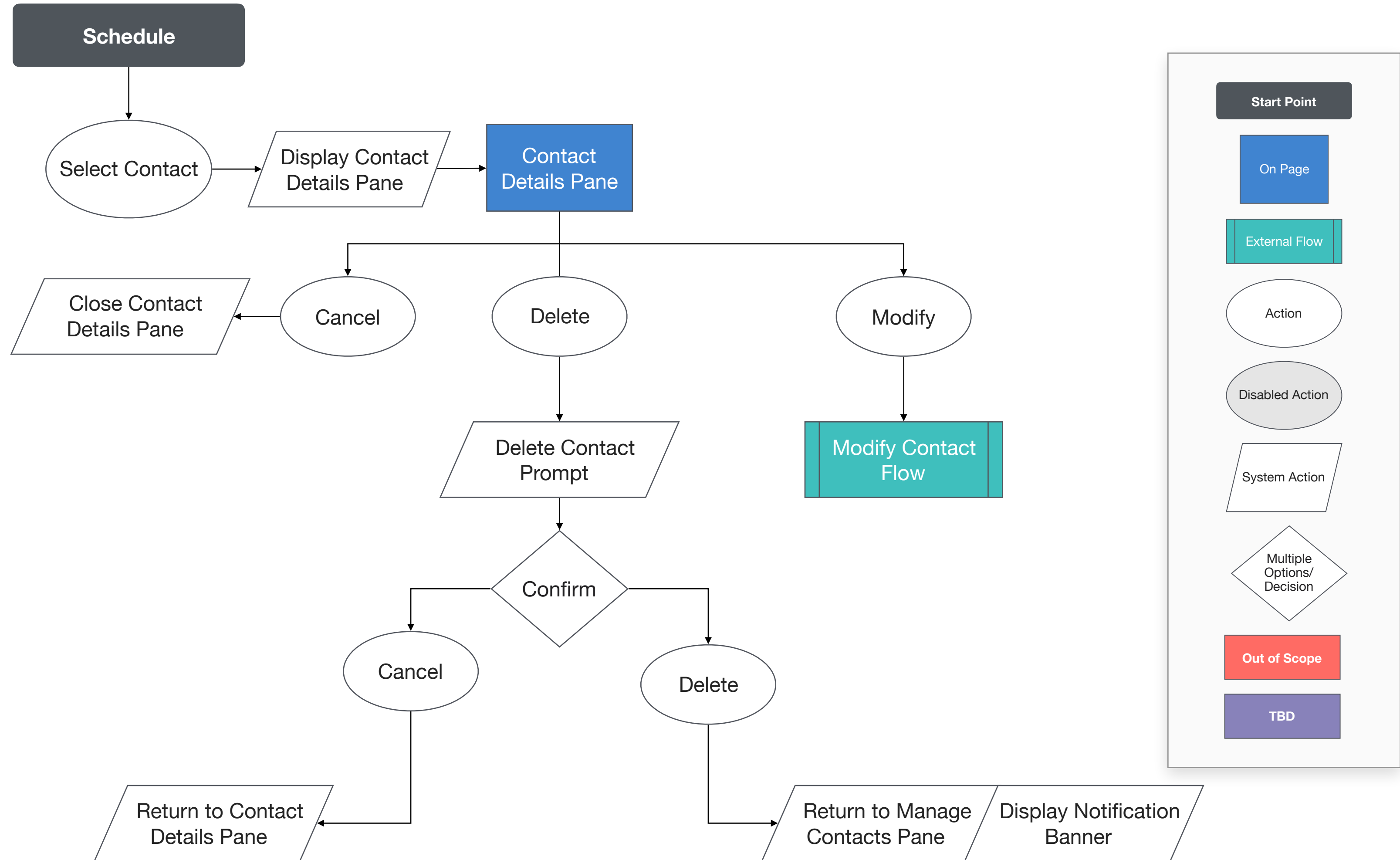
1. The Notification Banner displays directly below the Global Status Bar indicating which contact has been changed. The operator can dismiss the banner by clicking the “X” button on the right.
2. Manage Contacts Pane returns read-only view of the selected contact details.

The screenshot shows the GRM SCHEDULE interface. At the top, there is a notification banner with the text "Changes saved to contact 77125 LION-A 2387." and a close button (X) on the right. Below the banner is a table of contacts. The table has columns for Priority, Status, IRON, Ground Station, REV, Equipment String, State, DOY, Start Time, AOS, LOS, and Stop Time. The contact with ID 77125 is highlighted in blue. To the right of the table is a "Manage Contacts" pane for the selected contact, showing details such as Priority (3F), State (Upcoming), IRON (77125), Ground Station (LION-A), REV (2387), DOY (256), Start Time, AOS, LOS, Stop Time, Command Mode (Full Automation), and Active (checked). The pane also shows the Equipment String (ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3) and buttons for Delete, Cancel, and Modify.

Schedule - Delete Contact Flow

This user flow shows the content and actions involved in deleting a contact.

The following pages in this document (74-76) provide a full description of each step alongside the correlating screen of the application.



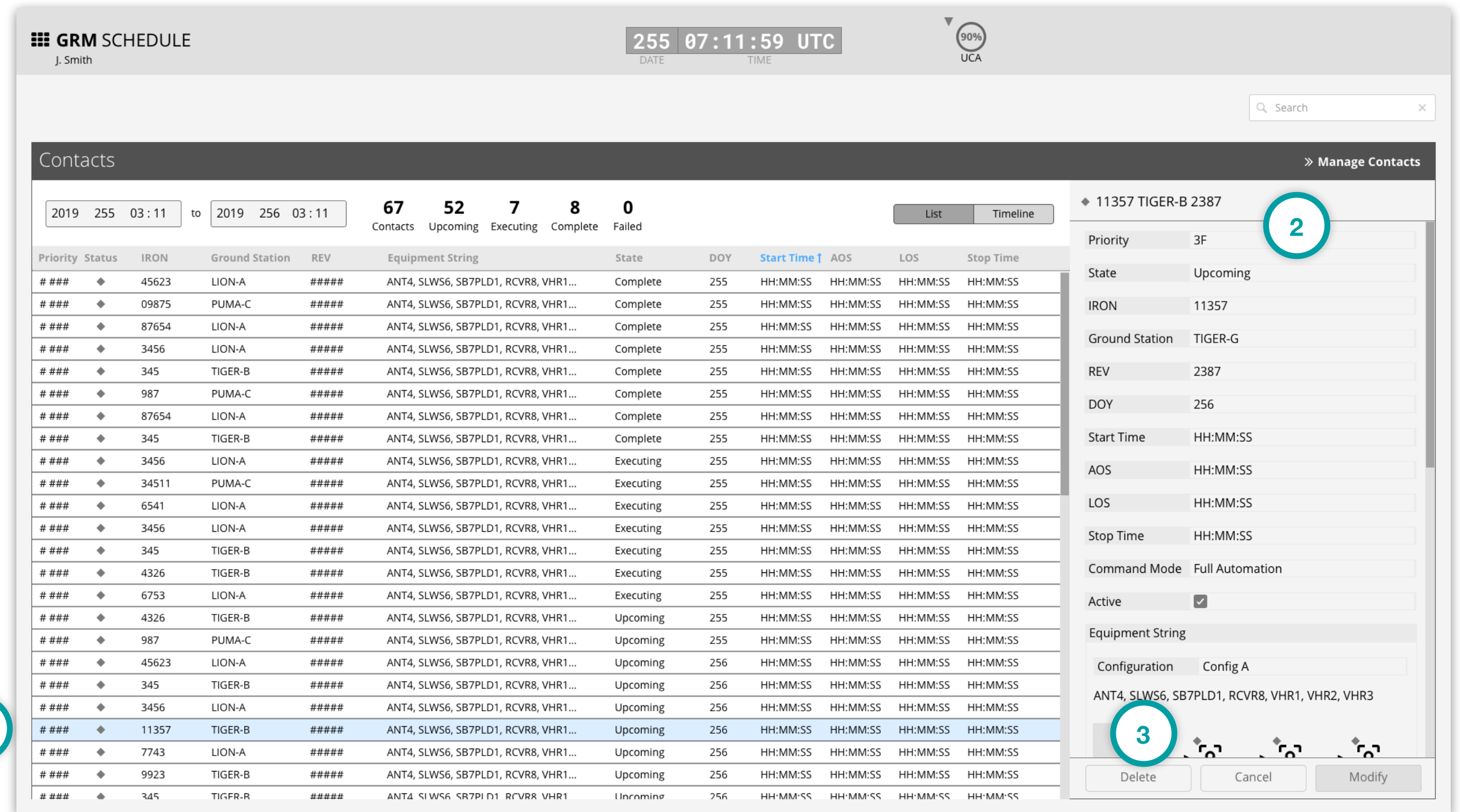
Schedule - Delete Contact Flow

Step

Select contact to delete.

Features & Interactions

1. The selected contact is highlighted in the schedule.
2. Contact details are displayed in the Manage Contacts Pane.
3. Delete button is enabled and clicked.



GRM SCHEDULE
J. Smith

255 07:11:59 UTC
DATE TIME UCA

90% UCA

Search

Contacts » Manage Contacts

2019 255 03:11 to 2019 256 03:11 **67** **52** **7** **8** **0**
Contacts Upcoming Executing Complete Failed

Priority	Status	IRON	Ground Station	REV	Equipment String	State	DOY	Start Time	AOS	LOS	Stop Time
###	◆	45623	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	09875	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	87654	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	987	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	87654	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	34511	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	6541	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	4326	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	6753	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	4326	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	987	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	45623	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	256	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	256	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	256	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	11357	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	256	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	7743	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	256	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	9923	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	256	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	256	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS

11357 TIGER-B 2387

Priority 3F

State Upcoming

IRON 11357

Ground Station TIGER-G

REV 2387

DOY 256

Start Time HH:MM:SS

AOS HH:MM:SS

LOS HH:MM:SS

Stop Time HH:MM:SS

Command Mode Full Automation

Active

Equipment String

Configuration Config A

ANT4, SLWS6, SB7PLD1, RCVR8, VHR1, VHR2, VHR3

3

Delete Cancel Modify

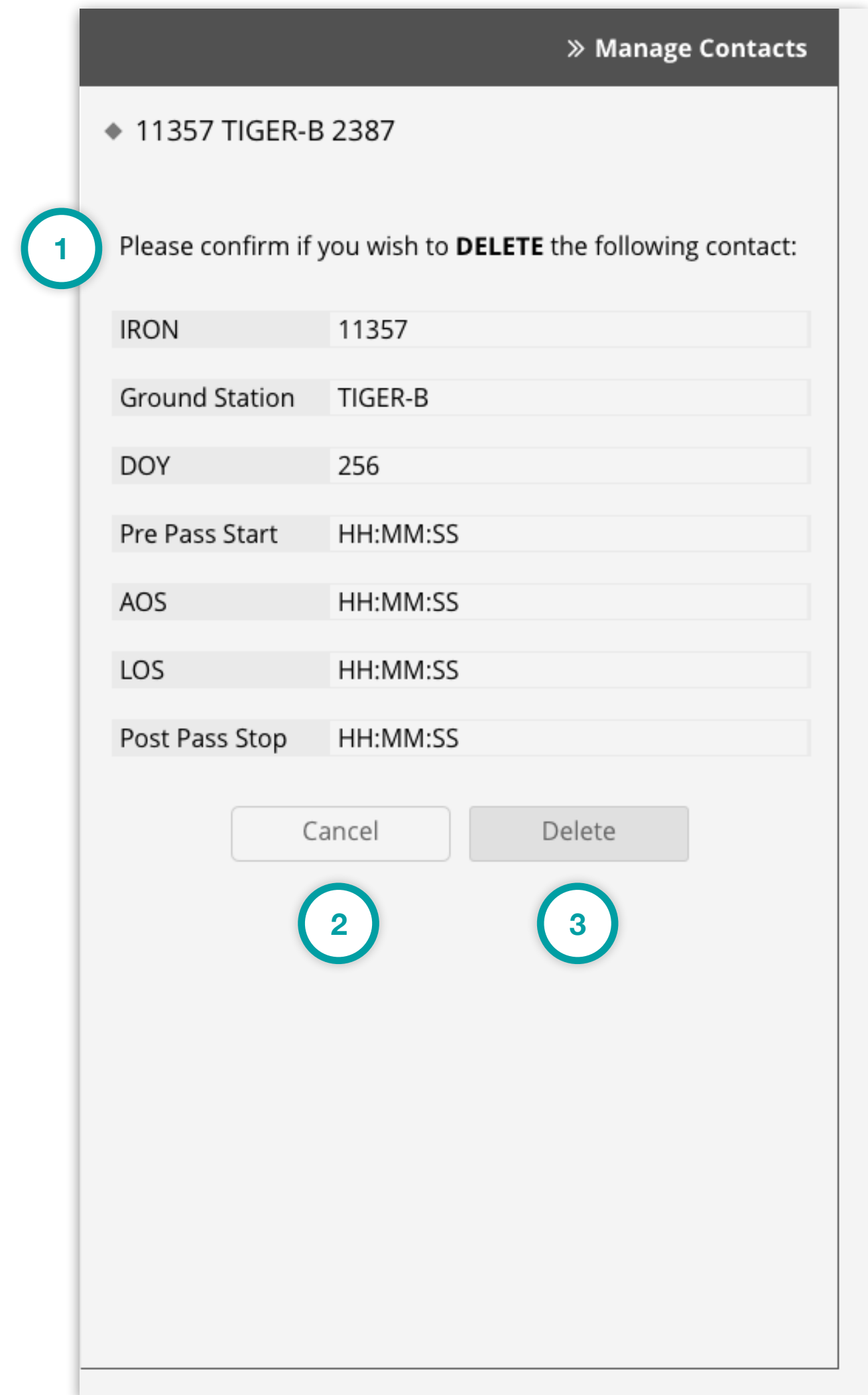
Schedule - Delete Contact Flow

Step

Confirm delete action.

Features & Interactions

1. Confirmation message and contact summary are displayed to the operator.
2. Cancel returns operator to the previous contact details.
3. Deletes the contact.



Schedule - Delete Contact Flow

Step

After clicking “Delete”, a Notification Banner displays showing that the contact has been deleted.

Features & Interactions

1. The Notification Banner displays directly below the Global Status Bar indicating which contact has been deleted. The operator can dismiss the banner by clicking the “X” button on the right.
2. Manage Contacts Pane returns to root level menu.
3. Deleted contact is no longer present in the Schedule.

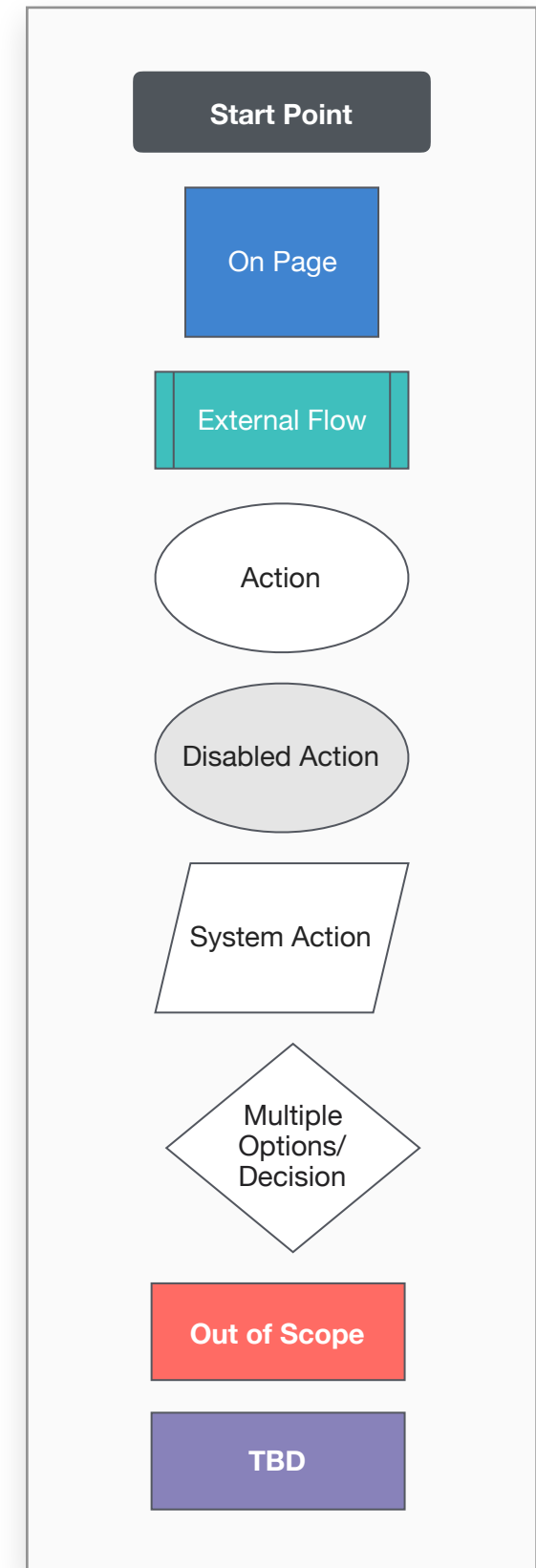
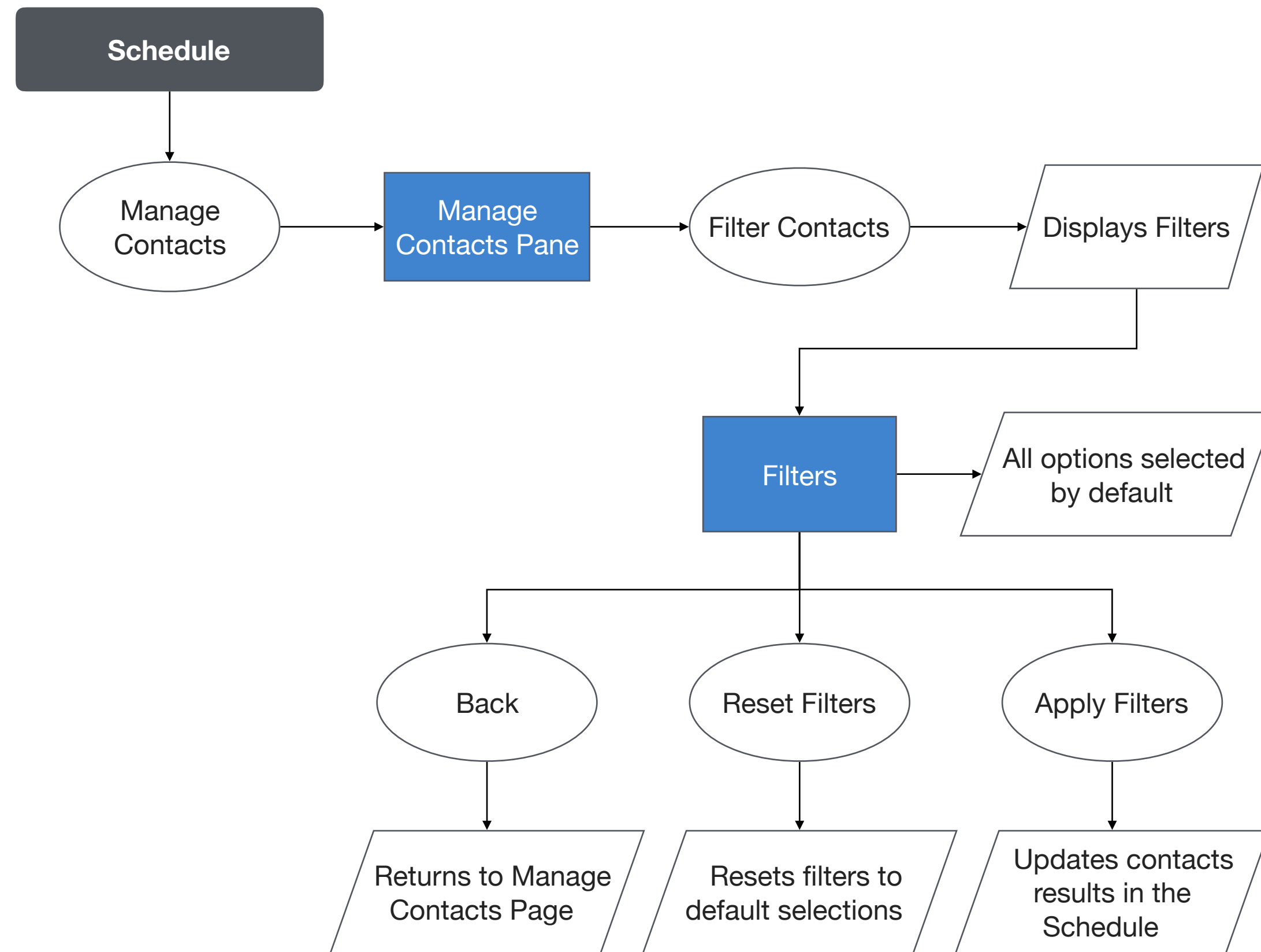
The screenshot shows the GRM SCHEDULE interface. At the top, there is a header with the user name 'J. Smith', the date '255 07:11:59 UTC', and a 90% UCA indicator. A notification banner at the top center states 'Contact 11357 TIGER-B 2387 has been deleted.' with a close button on the right. Below the banner is a 'Contacts' table with columns for Priority, Status, IRON, Ground Station, REV, Equipment String, State, DOY, Start Time, AOS, LOS, and Stop Time. The table lists various contacts with their respective details. On the right side, there is a 'Manage Contacts' pane with options for 'Add Contact' and 'Filter Contacts'. Three callout boxes are present: '1' points to the notification banner, '2' points to the 'Manage Contacts' pane, and '3' points to the table.

Priority	Status	IRON	Ground Station	REV	Equipment String	State	DOY	Start Time	AOS	LOS	Stop Time
###	◆	45623	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	09875	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	87654	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	987	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	87654	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	34511	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	6541	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	4326	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	6753	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	4326	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	987	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	45623	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	11357	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	7743	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	9923	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS

Schedule - Filter Contacts Flow

This user flow shows the content and actions involved in filtering contacts.

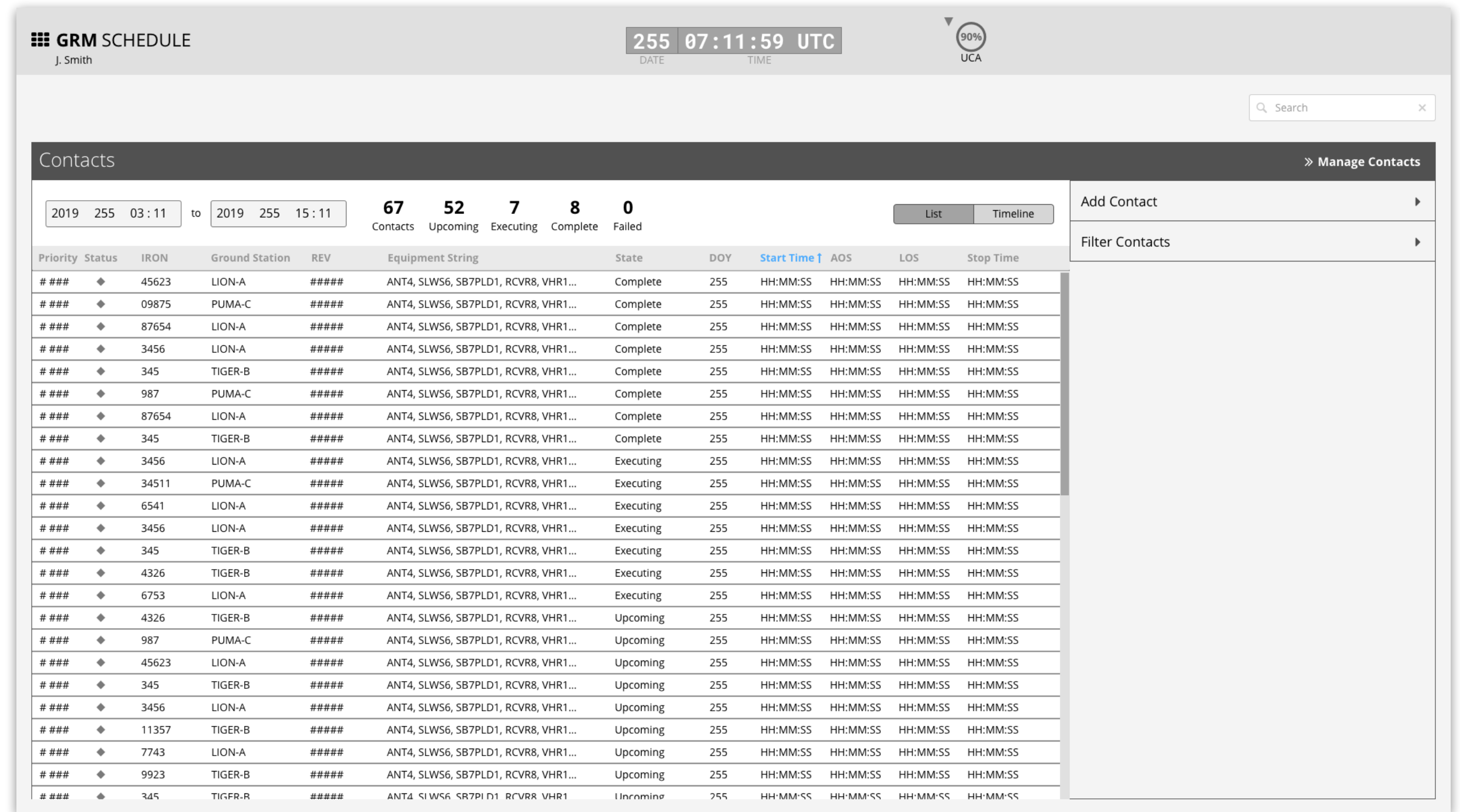
The following pages in this document (78-81) provide a full description of each step alongside the correlating screen of the application.



Schedule - Filter Contacts Flow

Step

Select "Filter Contacts."



The screenshot shows the GRM SCHEDULE interface. At the top, it displays the user 'J. Smith', the date '255 07:11:59 UTC', and a 90% UCA indicator. Below this is a search bar and a 'Contacts' header with a 'Manage Contacts' link. A summary bar shows 67 contacts, 52 upcoming, 7 executing, 8 complete, and 0 failed. A table lists individual contacts with columns for Priority, Status, IRON, Ground Station, REV, Equipment String, State, DOY, Start Time, AOS, LOS, and Stop Time. On the right, a sidebar contains 'Add Contact' and 'Filter Contacts' buttons.

Priority	Status	IRON	Ground Station	REV	Equipment String	State	DOY	Start Time	AOS	LOS	Stop Time
###	◆	45623	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	09875	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	87654	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	987	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	87654	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Complete	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	34511	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	6541	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	4326	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	6753	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	4326	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	987	PUMA-C	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	45623	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	3456	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	11357	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	7743	LION-A	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	9923	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
###	◆	345	TIGER-B	#####	ANT4, SLWS6, SB7PLD1, RCVR8, VHR1...	Upcoming	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS

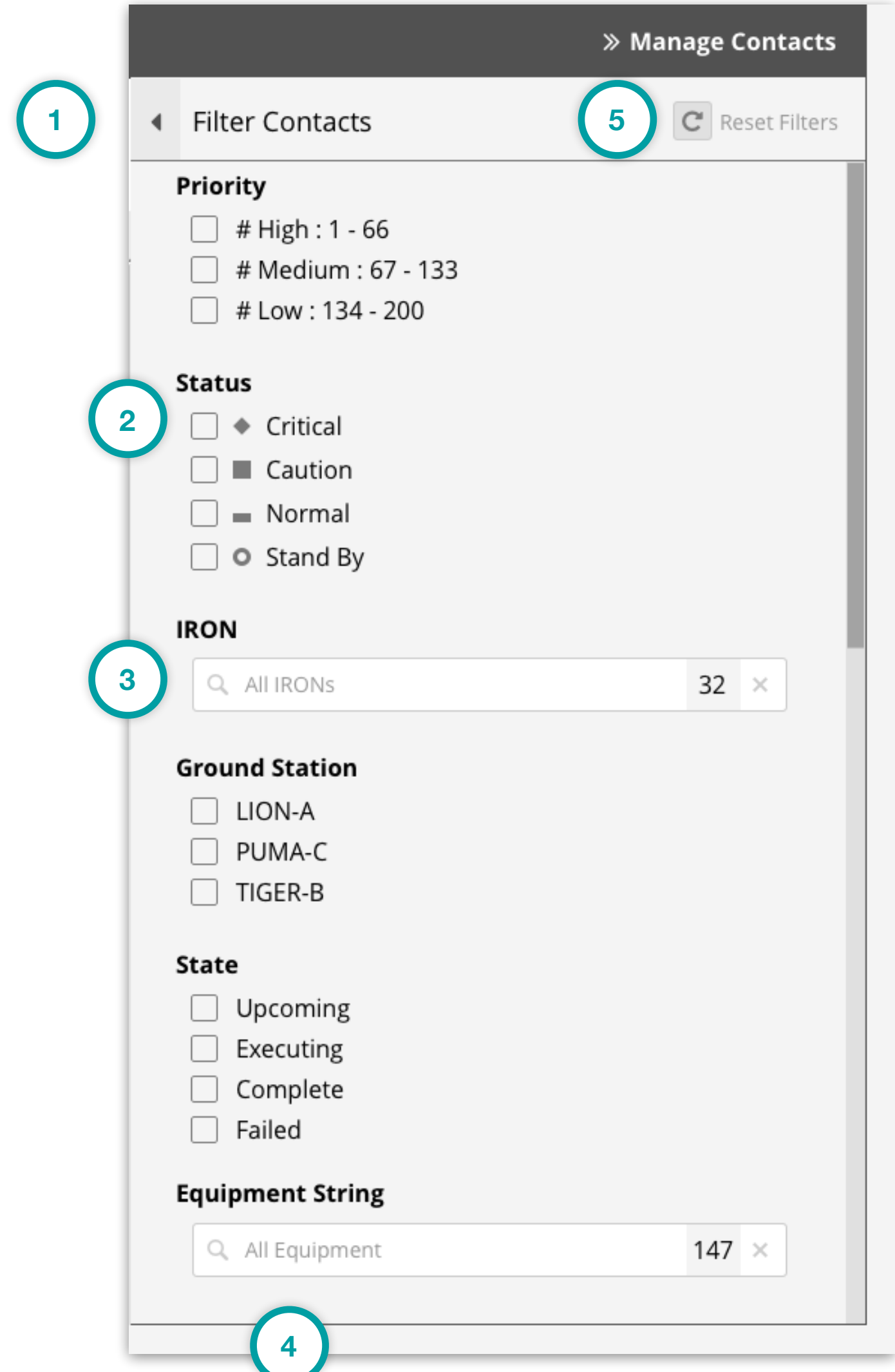
Schedule - Filter Contacts Flow

Step

Review available filters.

Features & Interactions

1. Back button returns user to the root level Manage Contacts Menu.
2. It is recommended to use check boxes or radio buttons when there are fewer than 5 options in a data set.
3. It is recommended to use a Search field when there are more than 10 options or a dropdown list if there are fewer than 10 but more than 5 options in a data set.
4. By default, no filters are applied and all contacts for the specified duration are displayed in the Schedule.
5. An operator may select “Reset Filters” to return filters back to the default state.



The wireframe shows a 'Filter Contacts' panel within a 'Manage Contacts' context. It includes a back button (1), a 'Reset Filters' button (5), and several filter sections: Priority (High, Medium, Low), Status (Critical, Caution, Normal, Stand By), IRON (search field with 32 results, 3), Ground Station (LION-A, PUMA-C, TIGER-B), State (Upcoming, Executing, Complete, Failed), and Equipment String (search field with 147 results, 4).

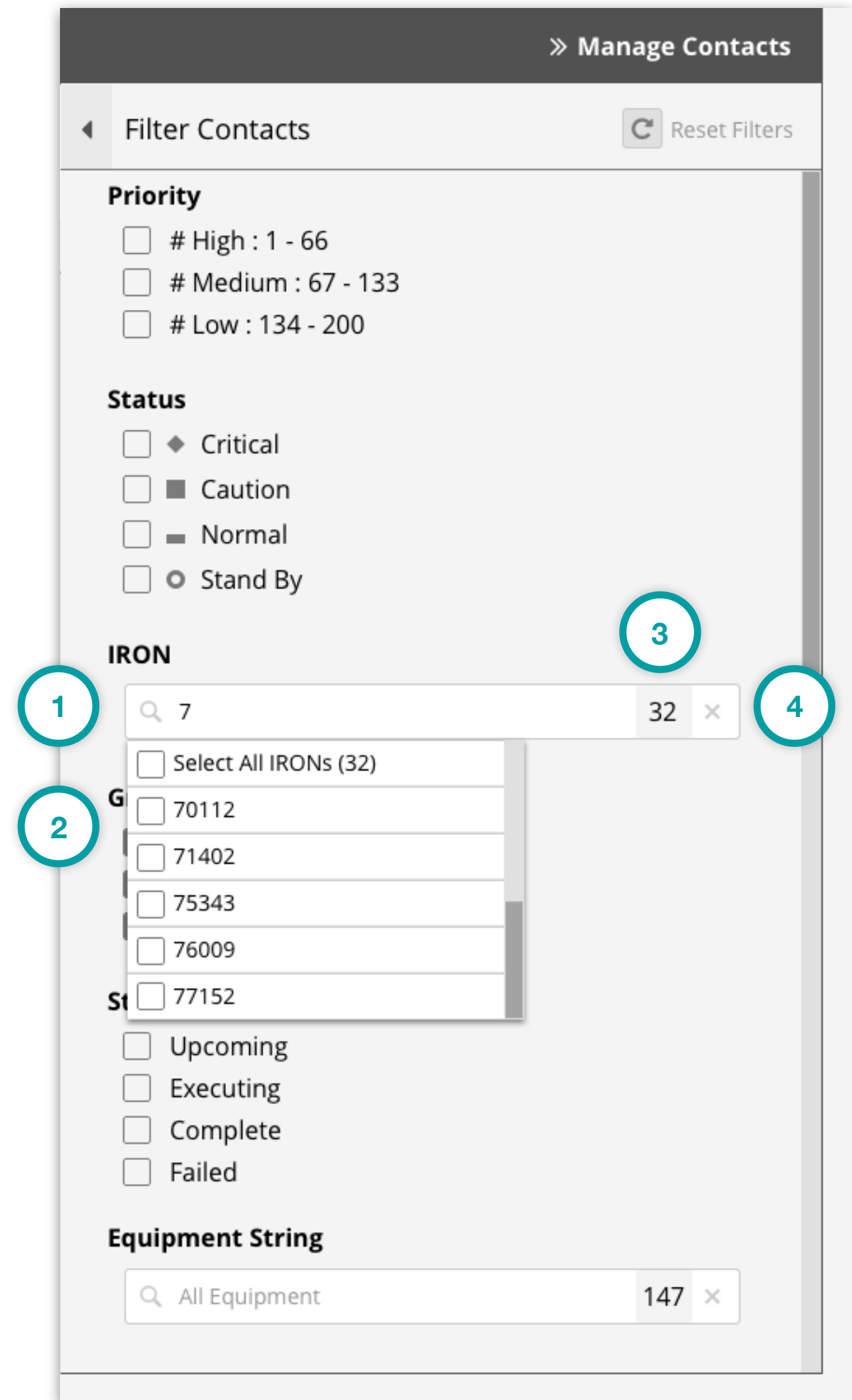
Schedule - Filter Contacts Flow

Step

Filter by specific IRON.

Features & Interactions

1. All IRONs are displayed by default.
2. One, many or all options may be selected.
3. The counter reflects how many IRONs have been selected.
4. The value may be quickly cleared by clicking the “x.”



Manage Contacts

Filter Contacts Reset Filters

Priority

- # High : 1 - 66
- # Medium : 67 - 133
- # Low : 134 - 200

Status

- ♦ Critical
- Caution
- ▬ Normal
- Stand By

IRON

1 32 x 4

2 Select All IRONs (32)

- 70112
- 71402
- 75343
- 76009
- 77152

Equipment String

147 x

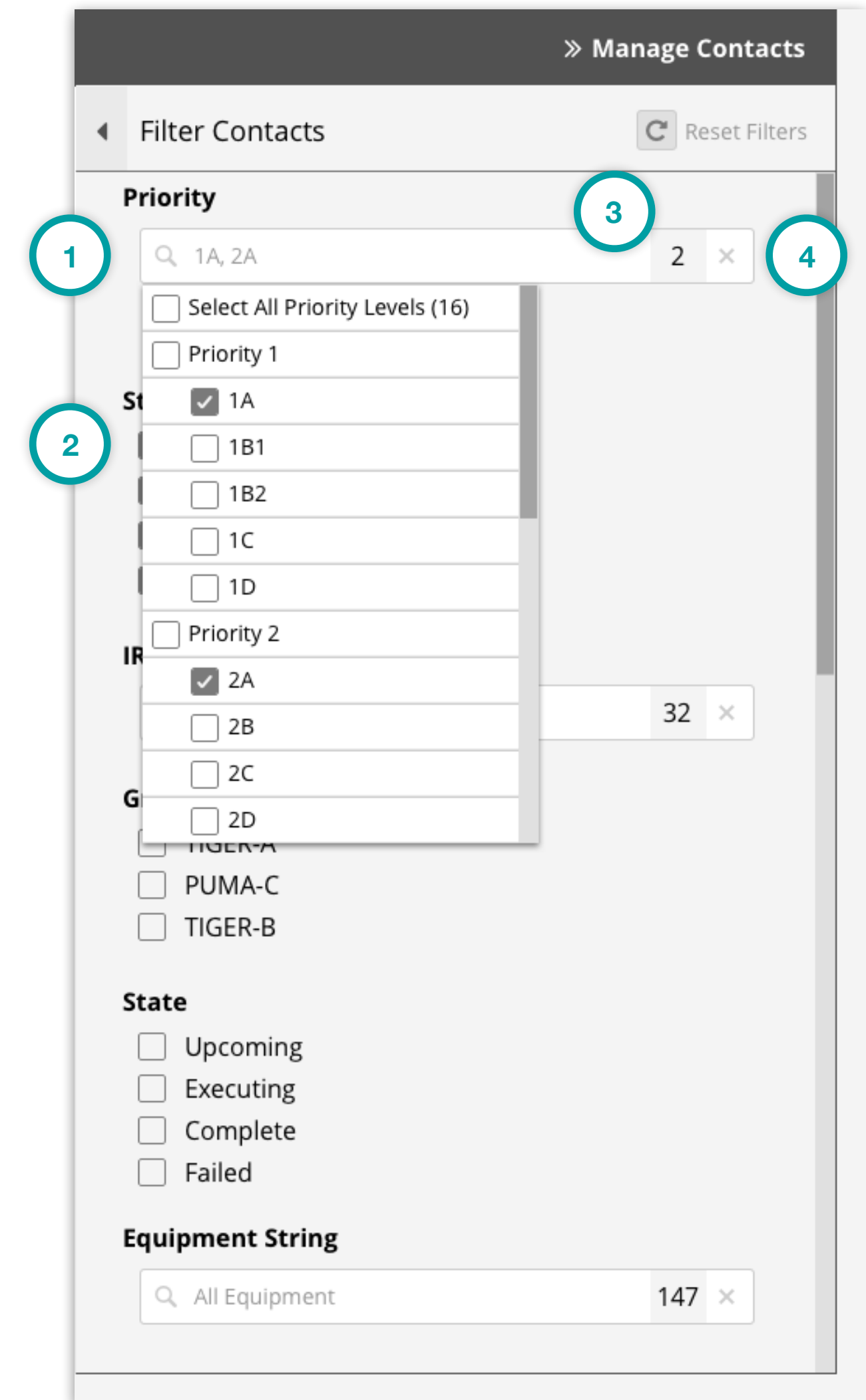
Schedule - Filter Contacts Flow

Step

Review alternate Priority Levels.

Features & Interactions

1. No filters are applied to Priority by default.
2. One, many or all options may be selected. Options are nested by Priority Ground and individual Priority Levels.
3. The counter reflects how many Priority Levels have been selected.
4. The value may be quickly cleared by clicking the “x.”



Equipment Manager

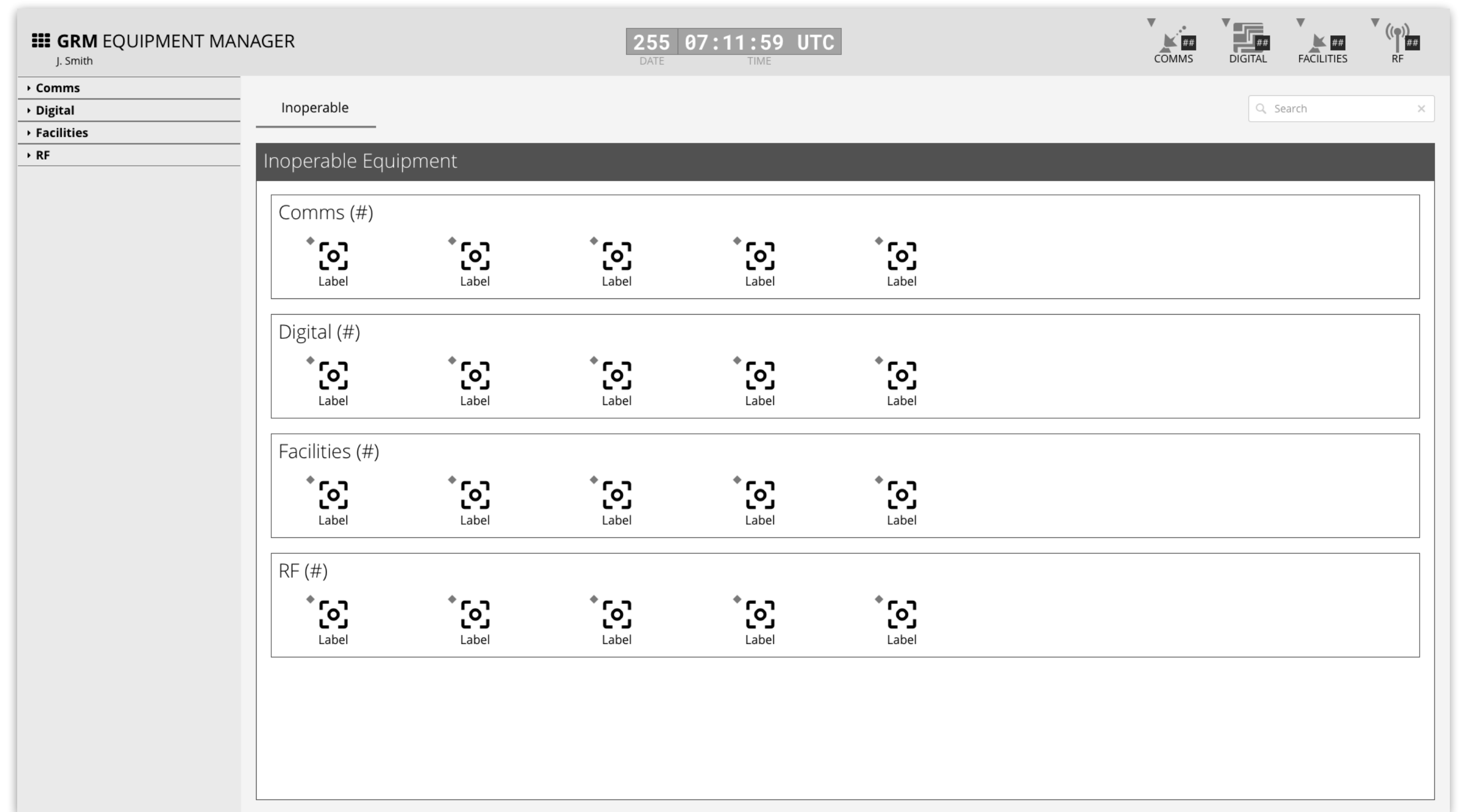
Equipment Manager Overview

The Equipment Manager application consolidates all ground equipment in one place.

The home page immediately provides the operator a list of all inoperable ground equipment. The operator can navigate to view the full details of specific inoperable equipment from here by clicking on the equipment icon in the grid.

The operator can view the full details of any specific ground equipment by navigating through the left side tree.

The equipment hierarchy and category names should be configured by each squadron at set up time.



GRM Wireframes.pdf, page 70

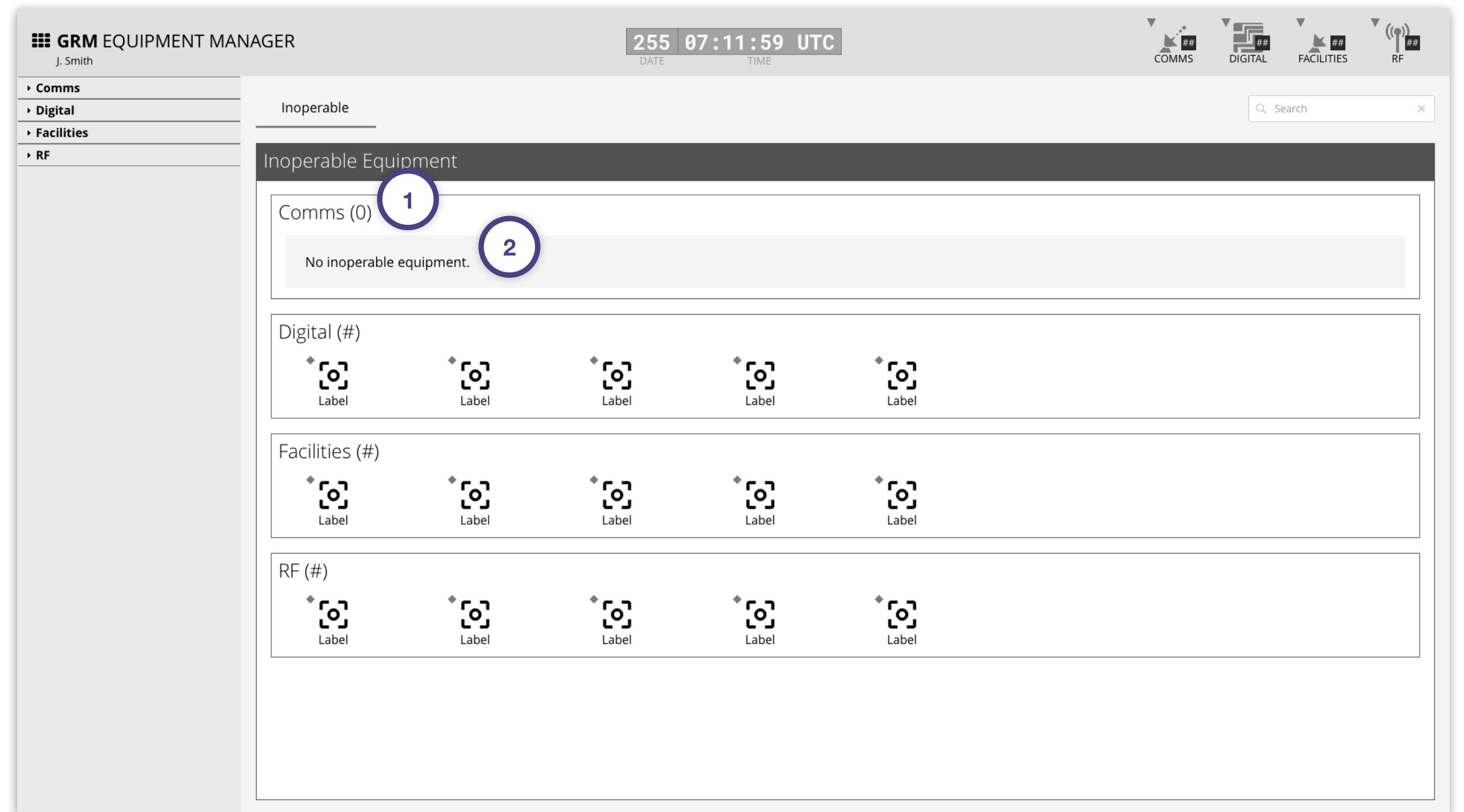
Equipment Manager - Inoperable Equipment Empty State

Functionality

Inoperable equipment empty state.

Features & Interactions

- 1. Equipment Category Count**
Count of zero ("Comms (0)") inoperable equipment in this category.
- 2. Messaging**
Clear messaging is presented in the event no equipment in this category is currently inoperable.



GRM Wireframes.pdf, page 71

Equipment Manager - Equipment Details

Functionality

The Equipment Details pages contain comprehensive information and actions for an individual piece of ground equipment.

Features & Interactions

1. Tabs

A new tab labeled with the name of the equipment appears to the right of the “Inoperable” home button when the operator navigates to any Equipment Details page. The operator can remove the tab by clicking the “X” button on the right.

2. Toggles

Change online/offline and considered/deconsidered states.

3. Alerts

A list of all current and past alerts for the related equipment.

4. Current Contacts

All contacts currently executing that include the related equipment in their equipment string.

5. Maintenance

View current maintenance jobs, schedule new jobs, and view a history of all maintenance jobs for the related equipment.

The screenshot displays the GRM Equipment Manager interface for 'Black FEP 1098'. The top navigation bar shows the user 'J. Smith' and the system time '255 07:11:59 UTC'. The sidebar on the left contains navigation tabs for 'Comms', 'Digital', 'Facilities', and 'RF', with 'RF' selected. The main content area is titled 'Equipment Details' and features a tab for 'Black FEP 1098'. The interface is divided into several sections: 'Alerts' (10 Active Alerts), 'Current Contacts' (10 Contacts, 1 Failed, 9 Executing), and 'Maintenance' (Jobs). The 'Alerts' section includes a table with columns for Severity, Alert ID, Category, and Time. The 'Current Contacts' section includes a table with columns for Status, IRON, Ground Station, REV, Equipment String, State, DOY, Start Time, AOS, LOS, and Stop Time. The 'Maintenance' section includes a 'Jobs' table with columns for Job ID, Type, Created On, Started On, Completed On, Technician, and Description. The interface also includes a search bar and a filter log for the event log.

Equipment Manager - Maintenance Job Details

Functionality

The Maintenance Details pages contain comprehensive information and actions for a maintenance job.

Features & Interactions

1. Progress Tracker

A visualization of the steps involved in the job and an indication of the current progress. The number and taxonomy of these steps should be configured by each squadron at set up time.

2. Conflicts

A list of conflicts with other contacts as a result of this equipment taken out of the resource pool for this time period. These contacts will not execute unless they are assigned to different equipment.

3. Event Log

A log of events pertaining to the job, starting with the creation of the job.

GRM EQUIPMENT MANAGER
J. Smith | 255 07:11:59 UTC

Equipment Manager / Maintenance Details

Black FEP 1098 Maintenance Job ID #####

Job Details

Submitted — **Approved** — Started — Stopped — Online

Job Type: PMR 01

Description: Aenean ac sagittis odio. Pellentesque vehicula, justo et sollicitudin bibendum, urna libero ornare augue, a bibendum nulla ipsum eu ante...

Start: 2019 255 07 : 11
Stop: 2019 255 08 : 11

Technician: Jane Smith

Follow

Event Log

Time	Event
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...

Conflicts (8)

This equipment may be allocated to contacts within the timeframe of this maintenance job. A list of these contacts is provided below after clicking "Calculate Conflicts."

To ensure that these contacts have the equipment they need to execute, change the timeframe of the maintenance job using the Start/Stop fields, or change the equipment allocated to these contacts in the GRM Schedule app.

IRON	Ground Station	REV	Equipment String	State	DOY	Start Time	AOS	LOS	Stop Time
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS

GRM Wireframes.pdf, page 73

Equipment Manager - Maintenance Job Details - Continued

Functionality

The Maintenance Details pages contain comprehensive information and actions for a maintenance job.

Features & Interactions

4. Modify

Modify the parameters (Job Type, Time, and/or Technician) of the job. Changing the time window requires the operator to calculate the new conflicts as a result of the change.

5. Delete

Delete the job.

GRM EQUIPMENT MANAGER
J. Smith

255 07:11:59 UTC
DATE TIME

COMMS DIGITAL FACILITIES RF

Equipment Manager / Maintenance Details

Black FEP 1098 Maintenance Job ID #####

Job Details

Submitted — Approved — Started — Stopped — Online

Job Type: PMR 01

Description: Aenean ac sagittis odio. Pellentesque vehicula, justo et sollicitudin bibendum, urna libero ornare augue, a bibendum nulla ipsum eu ante...

Start: 2019 255 07 : 11
Stop: 2019 255 08 : 11

Technician: Jane Smith

Follow

Event Log

Time	Event
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...

Conflicts (8)

This equipment may be allocated to contacts within the timeframe of this maintenance job. A list of these contacts is provided below after clicking "Calculate Conflicts."

To ensure that these contacts have the equipment they need to execute, change the timeframe of the maintenance job using the Start/Stop fields, or change the equipment allocated to these contacts in the GRM Schedule app.

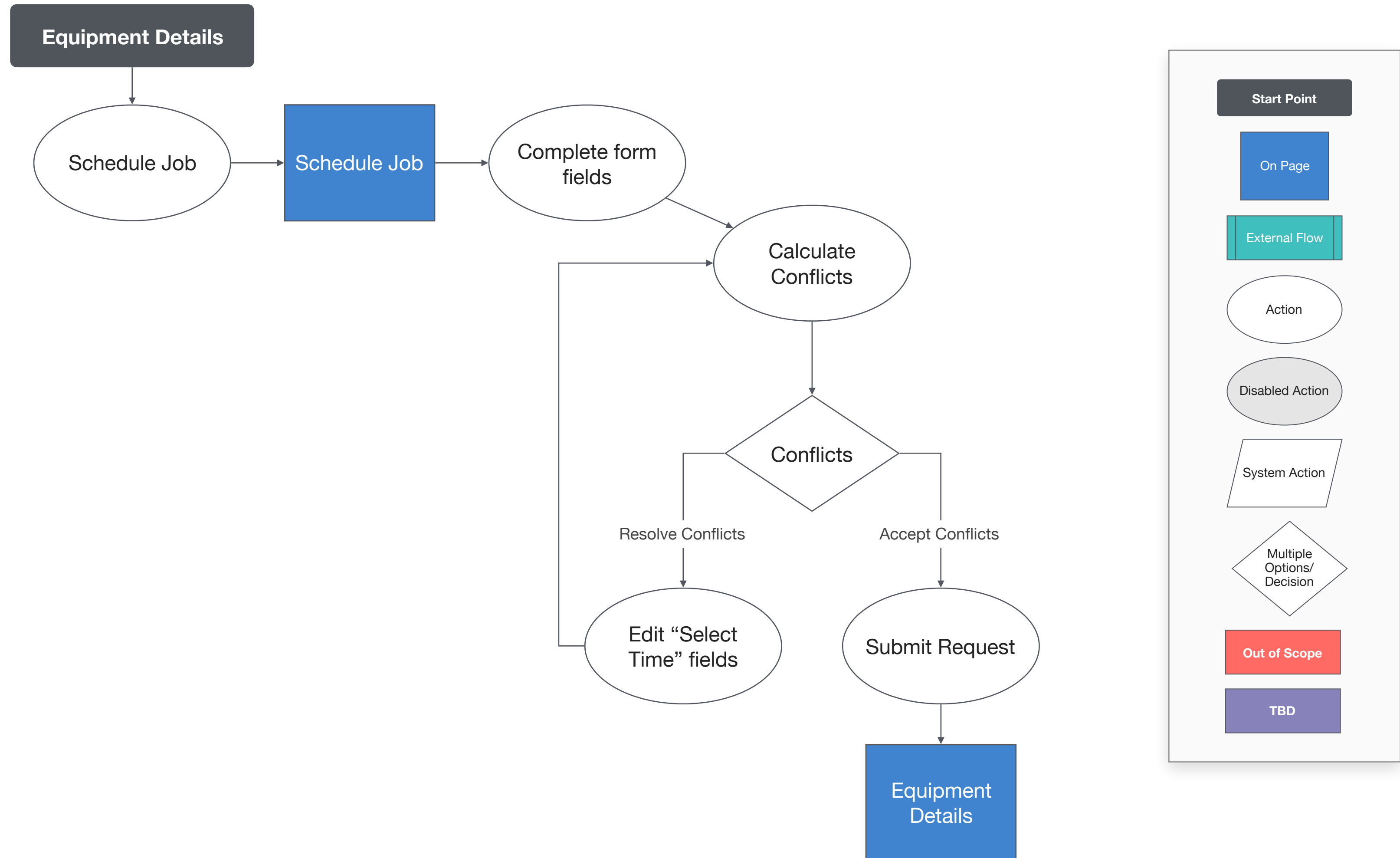
IRON	Ground Station	REV	Equipment String	State	DOY	Start Time	AOS	LOS	Stop Time
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS

Delete Cancel **Modify**

Equipment Manager - Schedule Maintenance Job Flow

This user flow shows the content and actions involved in scheduling a maintenance job.

The following pages in this document (89-94) provide a full description of each step alongside the correlating screen of the application.



Equipment Manager - Schedule Maintenance Job Flow

Step

From the Equipment Details page, click "Schedule Job."

GRM EQUIPMENT MANAGER
J. Smith
255 07:11:59 UTC
DATE TIME

COMMS DIGITAL FACILITIES RF

Inoperable
Black FEP 1098
Search

Equipment Details

Black FEP 1098

Online Offline

Considered Deconsidered

Label #####

Label #####

Label #####

Description

Aenean ac sagittis odio. Pellentesque vehicula, justo et sollicitudin bibendum, urna libero ornare augue, a bibendum nulla ipsum eu ante...

Event Log

Time	Event
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...

Alerts

10 Active Alerts

Severity: All Category: All

Severity	Alert ID	Category	Time
Alert ###	Category #	HH:MM:SS	
Alert ###	Category #	HH:MM:SS	
Alert ###	Category #	HH:MM:SS	
Alert ###	Category #	HH:MM:SS	

Acknowledge Dismiss

Current Contacts

10 Contacts 1 Failed 9 Executing

Status	IRON	Ground Station	REV	Equipment String	State	DOY	Start Time	AOS	LOS	Stop Time
34534	LION-A	####	ANT4, SLW56, SB7PLD1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS	
1234	TIGER-B	####	ANT4, SLW56, SB7PLD1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS	
54321	LION-A	####	ANT4, SLW56, SB7PLD1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS	
2468	TIGER-B	####	ANT4, SLW56, SB7PLD1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS	
98765	TIGER-B	####	ANT4, SLW56, SB7PLD1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS	
9977	LION-A	####	ANT4, SLW56, SB7PLD1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS	
12389	LION-A	####	ANT4, SLW56, SB7PLD1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS	
84534	PUMA-C	####	ANT4, SLW56, SB7PLD1...	Executing	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS	

Maintenance

Jobs

Schedule Job

Job ID ##### Stopped

Job Type #Value#

Start YYYY DDD HH:MM

Stop YYYY DDD HH:MM

View Details

Job ID ##### Started

Job Type #Value#

Start YYYY DDD HH:MM

Stop YYYY DDD HH:MM

View Details

Job ID ##### Approved

Job Type #Value#

Start YYYY DDD HH:MM

Stop YYYY DDD HH:MM

View Details

Job ID ##### Approved

Job Type #Value#

Start YYYY DDD HH:MM

Stop YYYY DDD HH:MM

View Details

Job ID ##### Submitted

Job Type #Value#

Start YYYY DDD HH:MM

Stop YYYY DDD HH:MM

View Details

Maintenance History

Job ID	Type	Created On	Started On	Completed On	Technician	Description
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...

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GRM Wireframes.pdf, page 72

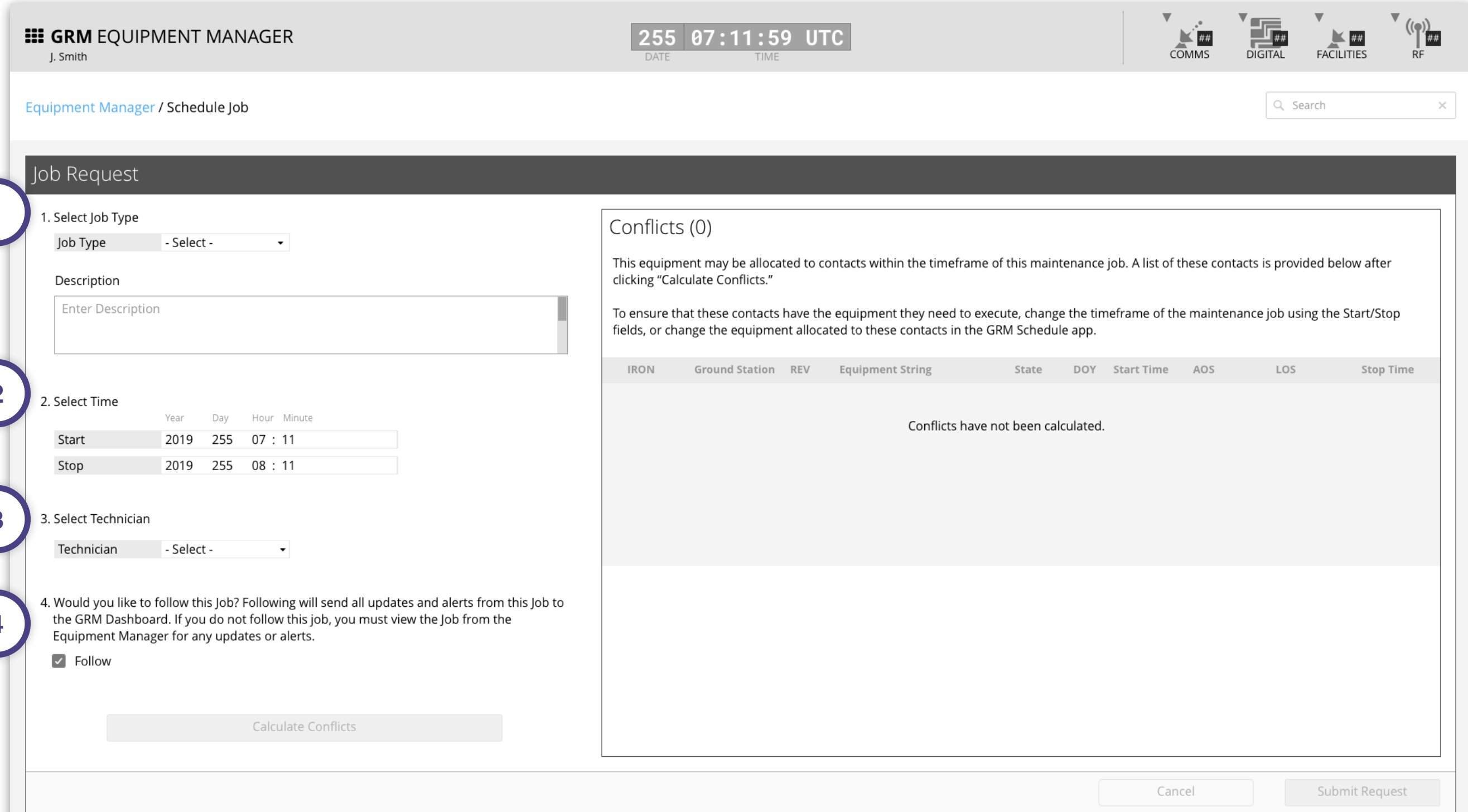
Equipment Manager - Schedule Maintenance Job Flow

Step

Complete the form fields.

Features & Interactions

1. Select a Job Type, then provide any additional clarification in the Description field. The options available in this list should be configured by each squadron at set up time.
2. Select a time window for the job to be completed within. The equipment will be taken out of the resource pool during this window.
3. Select a Technician. The options available in this list should be configured by each squadron at set up time.
4. Indicate whether to “Follow” this job. Following ensures that any alerts related to this job surface in the alerts area of the Dashboard application.



The screenshot shows the 'GRM EQUIPMENT MANAGER' interface for 'J. Smith' at '255 07:11:59 UTC'. The page title is 'Equipment Manager / Schedule Job'. The main form is titled 'Job Request' and contains the following sections:

- 1. Select Job Type:** A dropdown menu for 'Job Type' (currently '- Select -') and a text input field for 'Description' (placeholder: 'Enter Description').
- 2. Select Time:** Two rows of time pickers for 'Start' and 'Stop'. The 'Start' row shows '2019 255 07 : 11' and the 'Stop' row shows '2019 255 08 : 11'.
- 3. Select Technician:** A dropdown menu for 'Technician' (currently '- Select -').
- 4. Follow:** A checkbox labeled 'Follow' which is checked.

At the bottom of the form is a 'Calculate Conflicts' button. To the right of the form is a 'Conflicts (0)' section with explanatory text and a table header:

Conflicts (0)
This equipment may be allocated to contacts within the timeframe of this maintenance job. A list of these contacts is provided below after clicking "Calculate Conflicts."
To ensure that these contacts have the equipment they need to execute, change the timeframe of the maintenance job using the Start/Stop fields, or change the equipment allocated to these contacts in the GRM Schedule app.

IRON	Ground Station	REV	Equipment String	State	DOY	Start Time	AOS	LOS	Stop Time
Conflicts have not been calculated.									

At the bottom right of the form are 'Cancel' and 'Submit Request' buttons.

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Equipment Manager - Schedule Maintenance Job Flow

Step

Complete the form fields (continued).

Features & Interactions

5. If the desired Job Type is not listed, the operator can choose “Other” from the list. A field appears to the right where the operator can enter a custom Job Title.
6. If the desired Technician is not listed, the operator can choose “Other” from the list. A field appears to the right where the operator can enter a custom Technician name.
7. The “Submit Request” button will be disabled until the operator clicks “Calculate Conflicts.” This generates a list of contacts that will not execute due to the time window of this job, unless they are allocated different equipment.

GRM EQUIPMENT MANAGER
J. Smith

255 07:11:59 UTC
DATE TIME

COMMS DIGITAL FACILITIES RF

Equipment Manager / Schedule Job

Job Request

5

1. Select Job Type
Job Type: Other Job Title: ---
Description: Enter Description

2. Select Time
Start: 2019 255 07 : 11
Stop: 2019 255 08 : 11

3. Select Technician
Technician: Other Name: ---

6

4. Would you like to follow this job? Following will send all updates and alerts from this job to the GRM Dashboard. If you do not follow this job, you must view the Job from the Equipment Manager for any updates or alerts.
 Follow

7 Calculate Conflicts

Conflicts (0)

This equipment may be allocated to contacts within the timeframe of this maintenance job. A list of these contacts is provided below after clicking "Calculate Conflicts."

To ensure that these contacts have the equipment they need to execute, change the timeframe of the maintenance job using the Start/Stop fields, or change the equipment allocated to these contacts in the GRM Schedule app.

IRON	Ground Station	REV	Equipment String	State	DOY	Start Time	AOS	LOS	Stop Time
Conflicts have not been calculated.									

Cancel Submit Request

GRM Wireframes.pdf, page 77

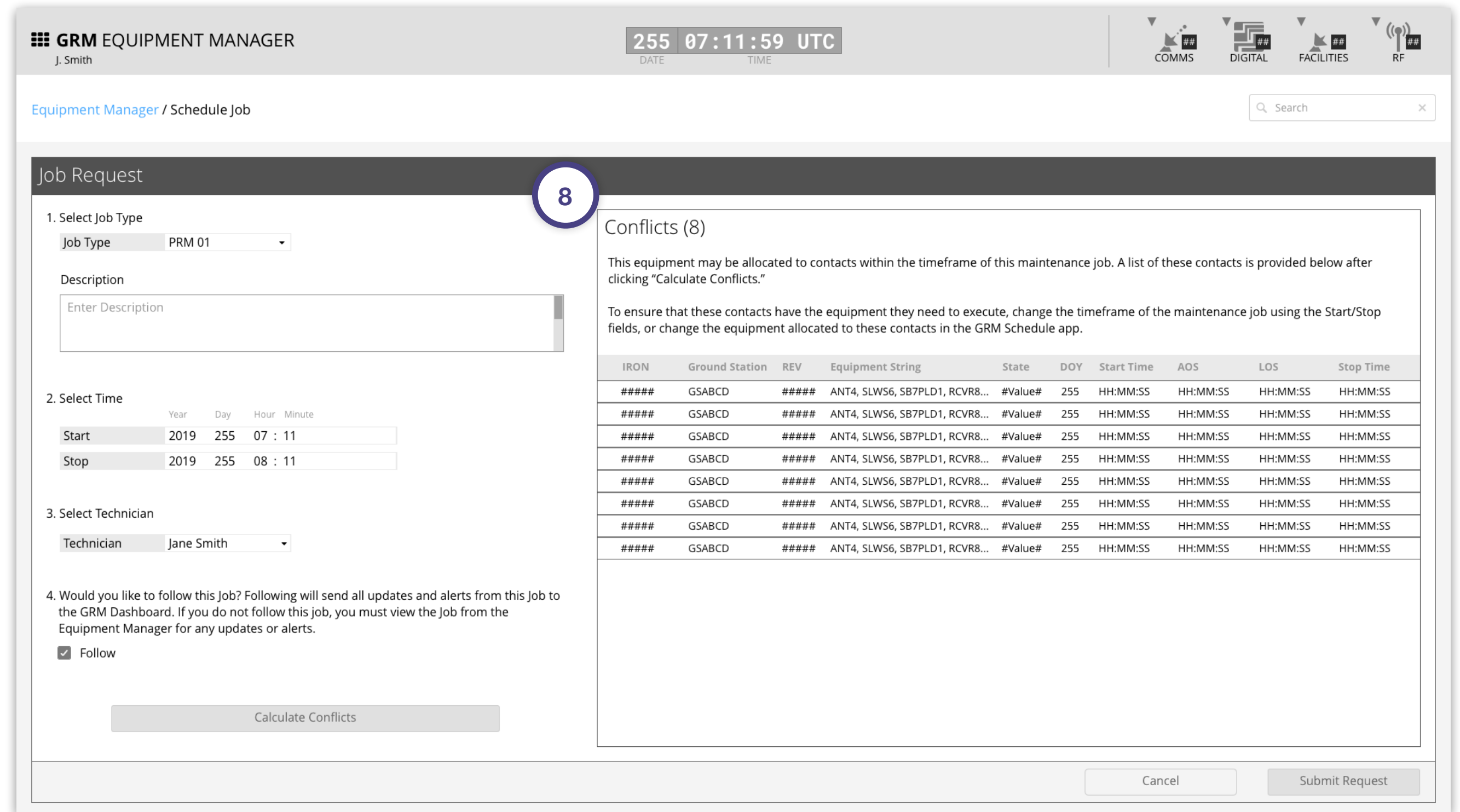
Equipment Manager - Schedule Maintenance Job Flow

Step

View the list of contacts that will not execute due to the time window of this maintenance job.

Features & Interactions

8. A list of contacts affected by this job appears here. To resolve conflicts, the operator can either change the fields under "Select Time", then regenerate this list by clicking "Calculate Conflicts" again, or by changing the equipment allocated to these contacts in the GRM Schedule application.



GRM EQUIPMENT MANAGER
J. Smith

255 07:11:59 UTC
DATE TIME

COMMS DIGITAL FACILITIES RF

Equipment Manager / Schedule Job

Search

Job Request

1. Select Job Type
Job Type: PRM 01

Description
Enter Description

2. Select Time
Start: 2019 255 07 : 11
Stop: 2019 255 08 : 11

3. Select Technician
Technician: Jane Smith

4. Would you like to follow this job? Following will send all updates and alerts from this job to the GRM Dashboard. If you do not follow this job, you must view the Job from the Equipment Manager for any updates or alerts.
 Follow

Calculate Conflicts

Conflicts (8)

This equipment may be allocated to contacts within the timeframe of this maintenance job. A list of these contacts is provided below after clicking "Calculate Conflicts."

To ensure that these contacts have the equipment they need to execute, change the timeframe of the maintenance job using the Start/Stop fields, or change the equipment allocated to these contacts in the GRM Schedule app.

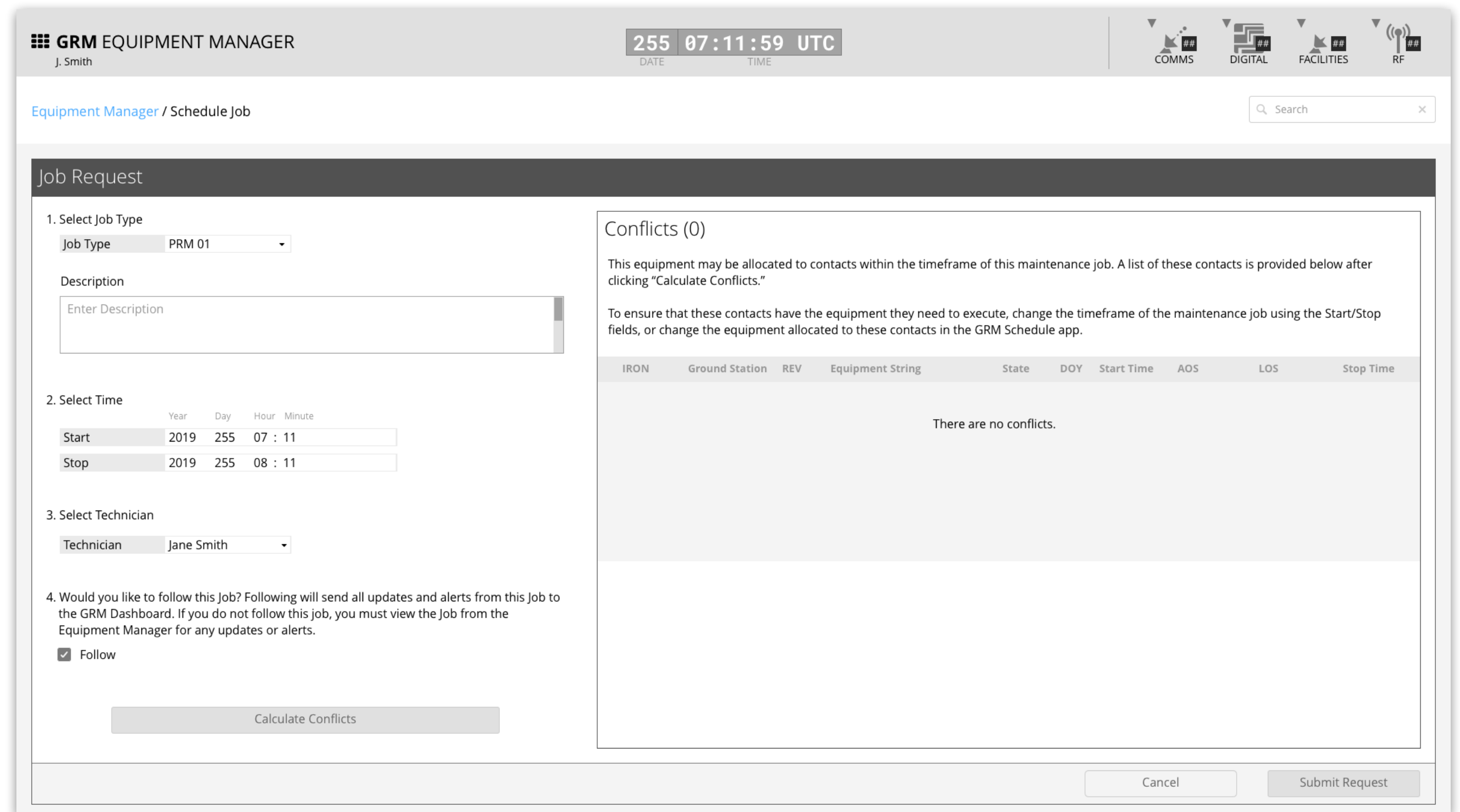
IRON	Ground Station	REV	Equipment String	State	DOY	Start Time	AOS	LOS	Stop Time
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	255	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS

Cancel Submit Request

Equipment Manager - Schedule Maintenance Job Flow

Step

Click "Submit Request" to complete scheduling the maintenance job.



GRM EQUIPMENT MANAGER
J. Smith

255 07:11:59 UTC
DATE TIME

COMMS DIGITAL FACILITIES RF

Equipment Manager / Schedule Job

Search

Job Request

1. Select Job Type
Job Type: PRM 01

Description
Enter Description

2. Select Time
Start: 2019 255 07 : 11
Stop: 2019 255 08 : 11

3. Select Technician
Technician: Jane Smith

4. Would you like to follow this job? Following will send all updates and alerts from this job to the GRM Dashboard. If you do not follow this job, you must view the Job from the Equipment Manager for any updates or alerts.
 Follow

Calculate Conflicts

Conflicts (0)

This equipment may be allocated to contacts within the timeframe of this maintenance job. A list of these contacts is provided below after clicking "Calculate Conflicts."

To ensure that these contacts have the equipment they need to execute, change the timeframe of the maintenance job using the Start/Stop fields, or change the equipment allocated to these contacts in the GRM Schedule app.

IRON	Ground Station	REV	Equipment String	State	DOY	Start Time	AOS	LOS	Stop Time
There are no conflicts.									

Cancel Submit Request

GRM Wireframes.pdf, page 79

Equipment Manager - Schedule Maintenance Job Flow

Step

The operator is returned to the Equipment Details page and a Notification Banner displays showing that the job has been submitted.

Features & Interactions

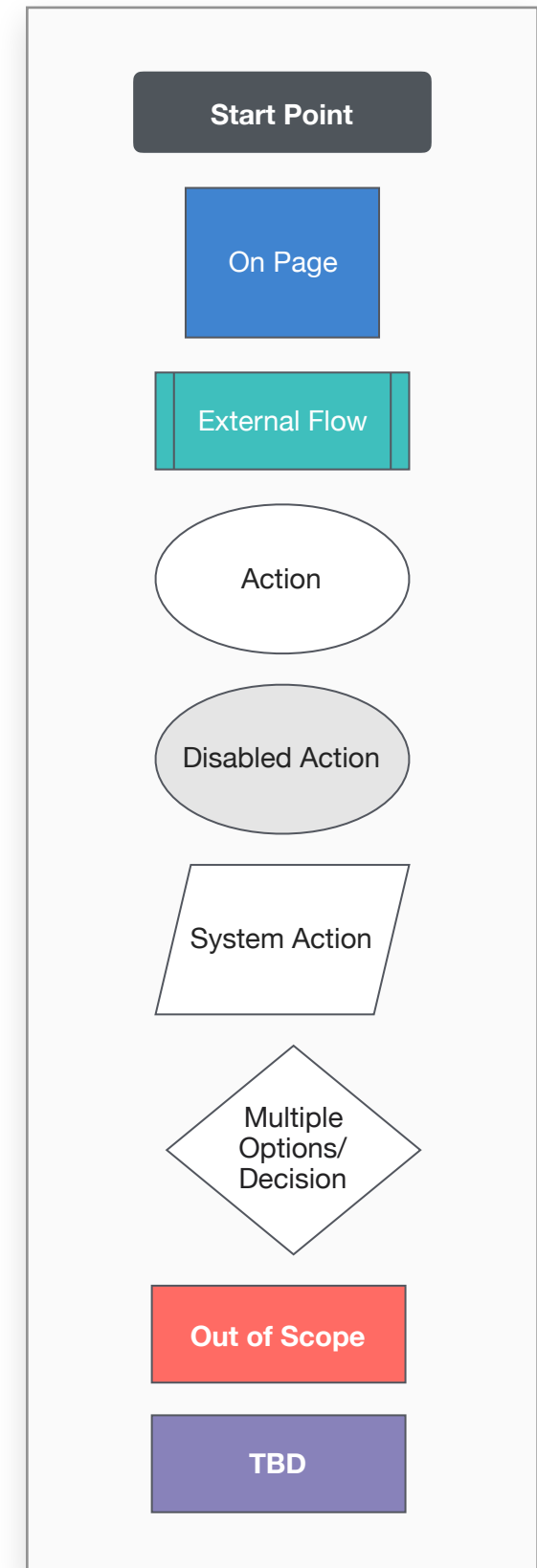
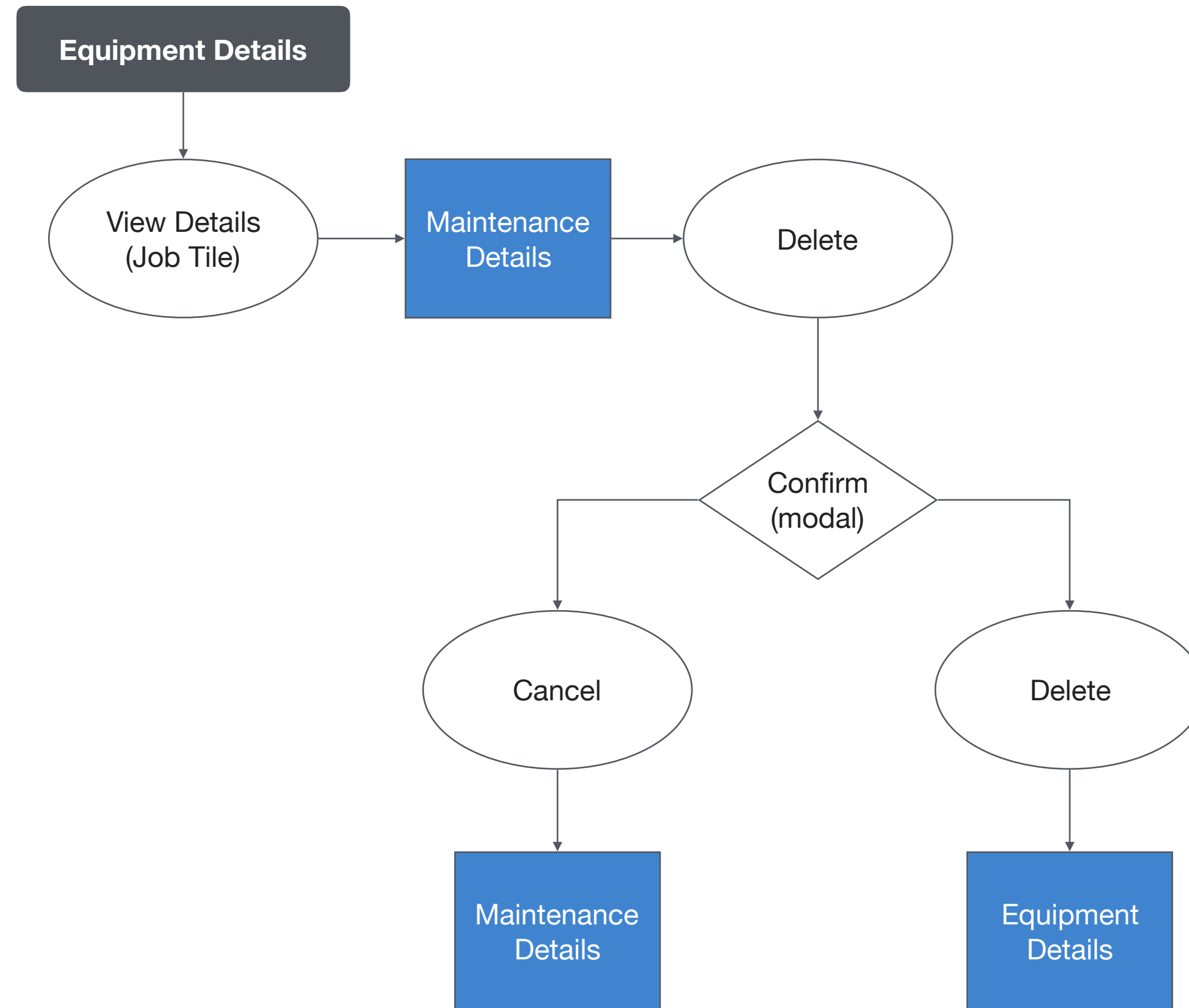
1. The Notification Banner displays directly below the Global Status Bar. The operator can dismiss the banner by clicking the "X" button on the right.

The screenshot shows the 'EQUIPMENT MANAGER' interface. At the top, there is a notification banner: 'Job ID ##### has been submitted.' with a close button (X) on the right. Below the banner is a sidebar with a tree view of facilities: 'Facilities' > 'RF' > 'Black FEP' > 'Black FEP 1098' (selected), 'Black FEP 2109', 'Black FEP 3210', 'Black FEP 4321', and 'Red FEP'. The main content area is titled 'Equipment Details' for 'Black FEP 1098'. It includes status toggles (Online/Offline, Considered/Deconsidered), a description field, and an event log table. Below this are 'Alerts' (10 Active Alerts) and 'Current Contacts' (10 Contacts, 1 Failed, 9 Executing) with a table of contact details. The 'Maintenance' section shows 'Jobs' with four job cards (Stopped, Started, Approved, Submitted) and a 'Maintenance History' table at the bottom.

Equipment Manager - Delete Maintenance Job Flow

This user flow shows the content and actions involved in deleting a maintenance job.

The following pages in this document (96-99) provide a full description of each step alongside the correlating screen of the application.



Equipment Manager - Delete Maintenance Job Flow

Step

In the Maintenance section of the Equipment Details page, locate the job in the set of tiles. Each tile represents a current/incomplete maintenance job for this equipment. Click the “View Details” button inside the desired tile.

GRM EQUIPMENT MANAGER | 255 07:11:59 UTC

Equipment Details

Black FEP 1098

Online Offline

Considered Deconsidered

Description: Aenean ac sagittis odio. Pellentesque vehicula, justo et sollicitudin bibendum, urna libero ornare augue, a bibendum nulla ipsum eu ante...

Event Log

Alerts: 10 Active Alerts

Current Contacts: 10 Contacts, 1 Failed, 9 Executing

Maintenance Jobs:

- Job ID ##### Stopped
- Job ID ##### Started
- Job ID ##### Approved
- Job ID ##### Approved
- Job ID ##### Submitted

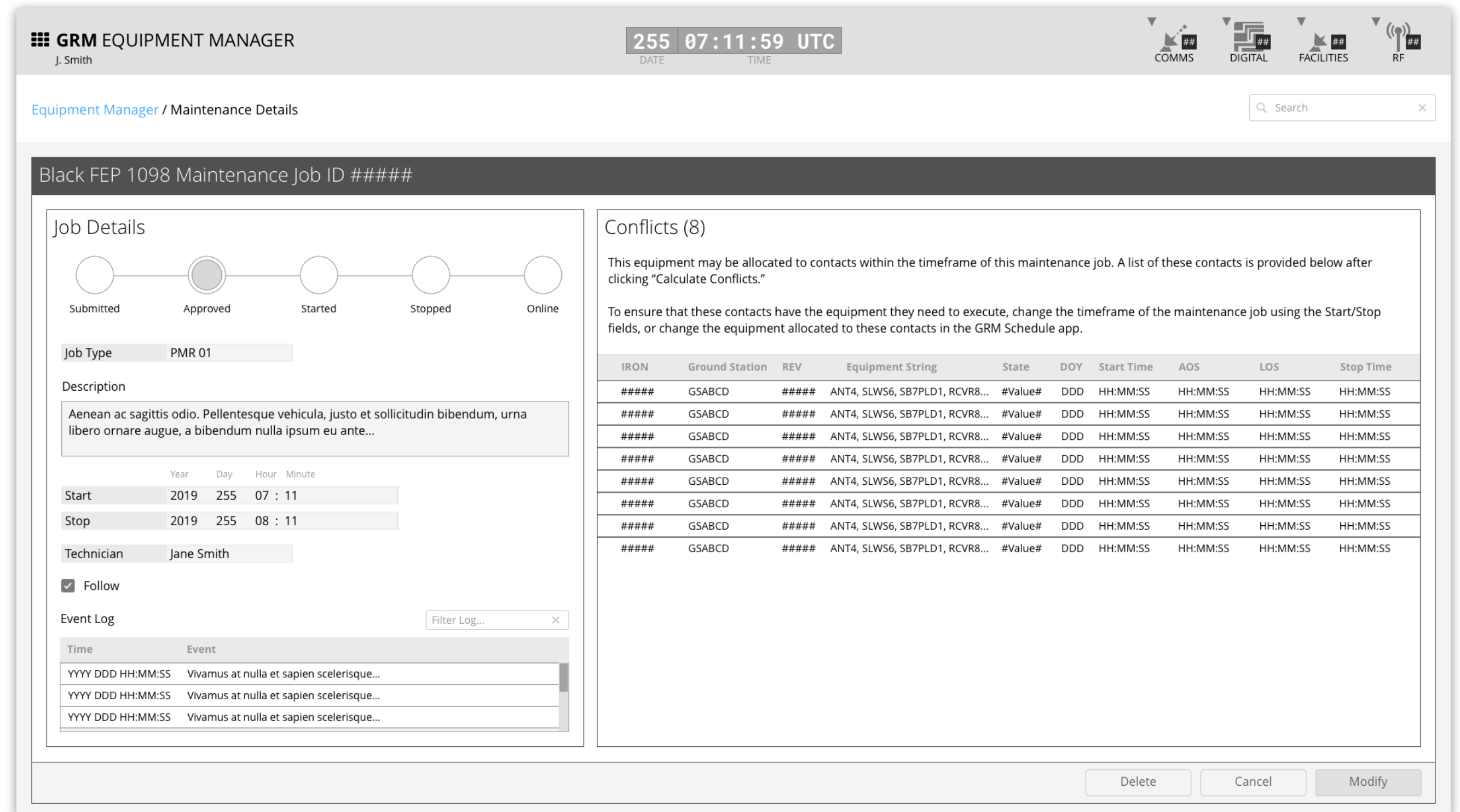
Maintenance History Table:

Job ID	Type	Created On	Started On	Completed On	Technician	Description
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...

Equipment Manager - Delete Maintenance Job Flow

Step

Click "Delete."



GRM EQUIPMENT MANAGER
J. Smith

255 07:11:59 UTC
DATE TIME

COMMS DIGITAL FACILITIES RF

Equipment Manager / Maintenance Details

Black FEP 1098 Maintenance Job ID #####

Job Details

Submitted Approved Started Stopped Online

Job Type **PMR 01**

Description
Aenean ac sagittis odio. Pellentesque vehicula, justo et sollicitudin bibendum, urna libero ornare augue, a bibendum nulla ipsum eu ante...

Start: 2019 255 07 : 11
Stop: 2019 255 08 : 11

Technician **Jane Smith**

Follow

Event Log

Time	Event
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...

Conflicts (8)

This equipment may be allocated to contacts within the timeframe of this maintenance job. A list of these contacts is provided below after clicking "Calculate Conflicts."

To ensure that these contacts have the equipment they need to execute, change the timeframe of the maintenance job using the Start/Stop fields, or change the equipment allocated to these contacts in the GRM Schedule app.

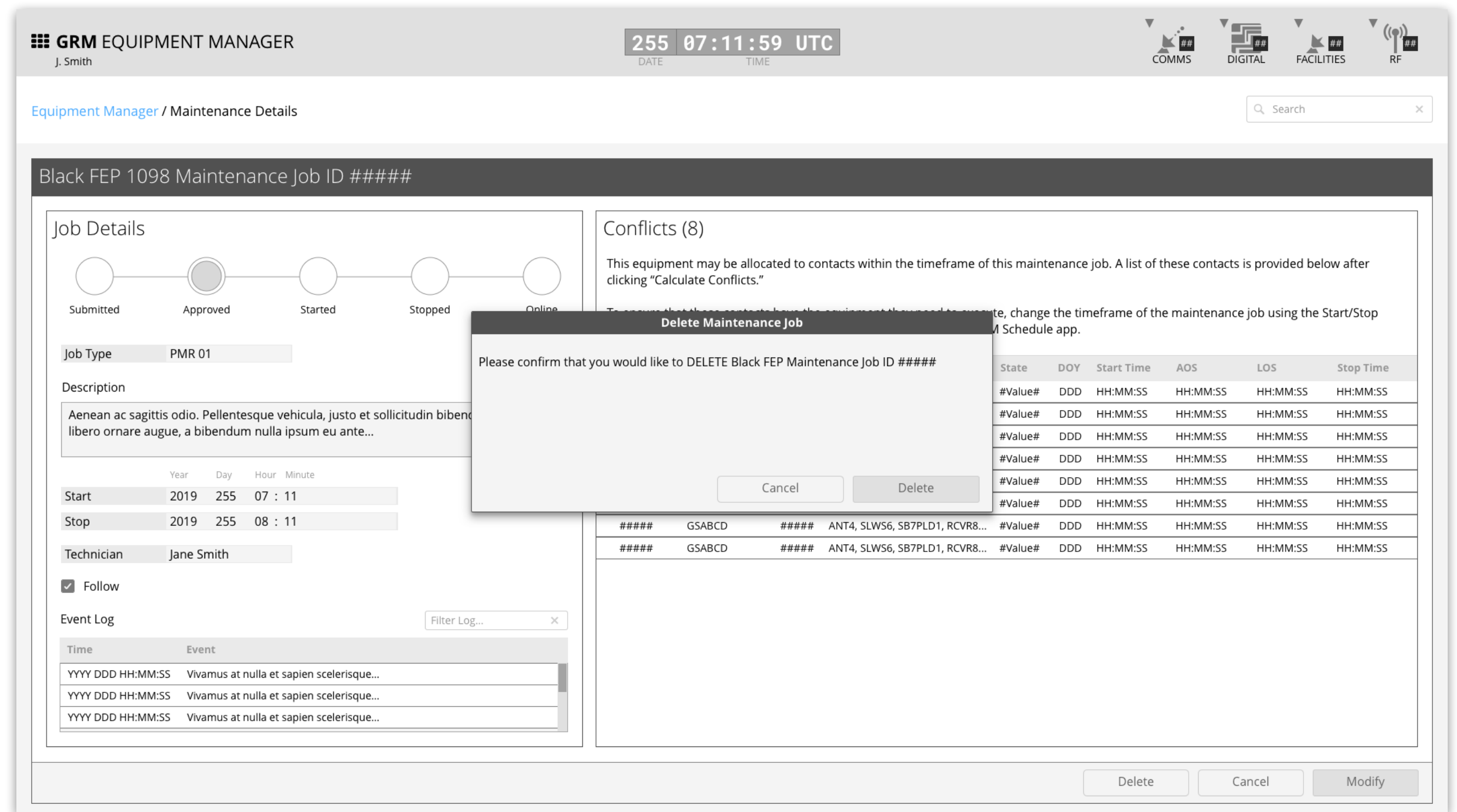
IRON	Ground Station	REV	Equipment String	State	DOY	Start Time	AOS	LOS	Stop Time
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#####	GSABCD	#####	ANT4, SLWS6, SB7PLD1, RCVR8...	#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS

Delete Cancel Modify

Equipment Manager - Delete Maintenance Job Flow

Step

Click “Delete” inside the modal dialog to confirm the action.



The screenshot displays the 'GRM EQUIPMENT MANAGER' interface. At the top, the user 'J. Smith' is logged in, and the system time is '255 07:11:59 UTC'. The page title is 'Equipment Manager / Maintenance Details'. The main content area shows details for 'Black FEP 1098 Maintenance Job ID #####'. A progress bar indicates the job status: Submitted, Approved, Started, Stopped, and Online. The job type is 'PMR 01'. The description is 'Aenean ac sagittis odio. Pellentesque vehicula, justo et sollicitudin bibendum ornare augue, a bibendum nulla ipsum eu ante...'. The start time is 2019-255-07:11 and the stop time is 2019-255-08:11. The technician is 'Jane Smith'. There is a 'Follow' checkbox checked. An event log is visible at the bottom left. On the right, there is a 'Conflicts (8)' section with a table of conflict data. A modal dialog titled 'Delete Maintenance Job' is overlaid in the center, containing the text 'Please confirm that you would like to DELETE Black FEP Maintenance Job ID #####' and 'Cancel' and 'Delete' buttons.

Job Details

Submitted Approved Started Stopped Online

Job Type: PMR 01

Description: Aenean ac sagittis odio. Pellentesque vehicula, justo et sollicitudin bibendum ornare augue, a bibendum nulla ipsum eu ante...

Start: 2019 255 07 : 11

Stop: 2019 255 08 : 11

Technician: Jane Smith

Follow

Event Log

Time	Event
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...

Conflicts (8)

This equipment may be allocated to contacts within the timeframe of this maintenance job. A list of these contacts is provided below after clicking "Calculate Conflicts."

State	DOY	Start Time	AOS	LOS	Stop Time
#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS
#Value#	DDD	HH:MM:SS	HH:MM:SS	HH:MM:SS	HH:MM:SS

Delete Maintenance Job

Please confirm that you would like to DELETE Black FEP Maintenance Job ID #####

Cancel Delete

Delete Cancel Modify

Equipment Manager - Delete Maintenance Job Flow

Step

The operator is returned to the Equipment Details page and a Notification Banner displays confirmation of the action.

Features & Interactions

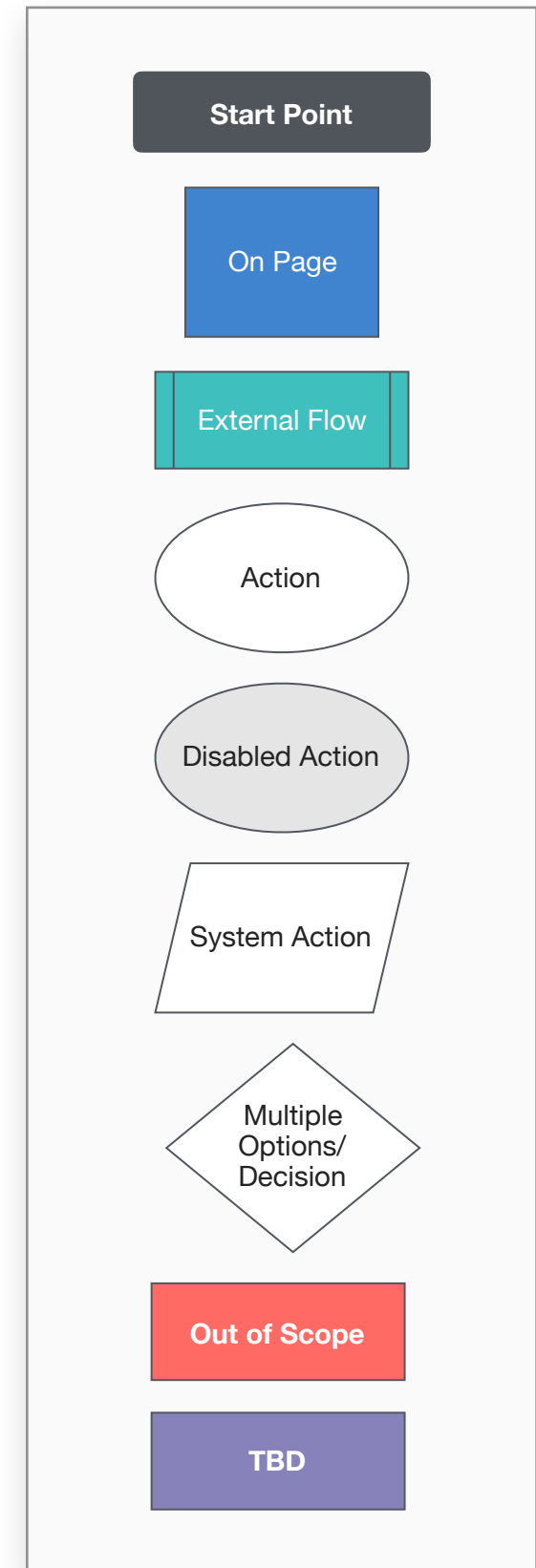
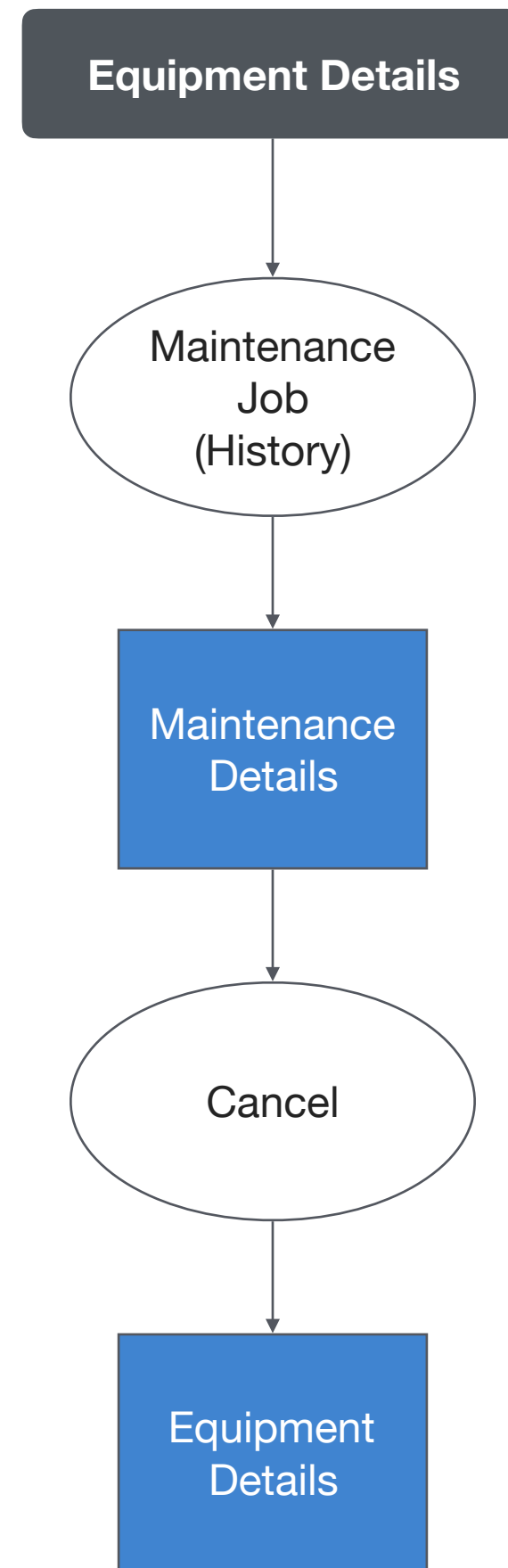
1. The Notification Banner displays directly below the Global Status Bar. The operator can dismiss the banner by clicking the “X” button on the right.

The screenshot shows the GRM Equipment Manager interface. At the top, there is a notification banner that says "Job ID ##### has been deleted." with a close button (X) on the right. Below the banner is the "Equipment Details" section for "Black FEP 1098", which includes status toggles (Online/Offline, Considered/Deconsidered), a description, and an event log. To the left is a sidebar with a "Facilities" menu. Below the equipment details are sections for "Alerts" (showing 10 active alerts) and "Current Contacts" (showing 10 contacts, 1 failed, 9 executing). The "Maintenance" section contains a "Jobs" table with columns for Job ID, Job Type, and Value, and a "Maintenance History" table with columns for Job ID, Type, Created On, Started On, Completed On, Technician, and Description.

Equipment Manager - Maintenance History Flow

This user flow shows the content and actions involved in viewing a completed job from the Maintenance History table.

The following pages in this document (101-103) provide a full description of each step alongside the correlating screen of the application.



Equipment Manager - Maintenance History Flow

Step

In the Maintenance section of the Equipment Details page, locate the desired job in the table under “Maintenance History.”

The screenshot displays the GRM Equipment Manager interface for 'Black FEP 1098'. The interface includes a sidebar with navigation options (Comms, Digital, Facilities, RF), a top navigation bar with user information and system status, and a main content area. The 'Maintenance' section is active, showing a 'Jobs' table with columns for Job ID, Type, Created On, Started On, Completed On, Technician, and Description. Below the table, there are buttons for 'Schedule Job', 'View Details', and 'Submitted'.

Job ID	Type	Created On	Started On	Completed On	Technician	Description
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...

Equipment Manager - Maintenance History Flow

Step

Click on the row of the desired job.

Maintenance

Jobs

Schedule Job

Job ID ##### Stopped

Job Type #Value#

Start YYYY DDD HH:MM

Stop YYYY DDD HH:MM

View Details

Job ID ##### Started

Job Type #Value#

Start YYYY DDD HH:MM

Stop YYYY DDD HH:MM

View Details

Job ID ##### Approved

Job Type #Value#

Start YYYY DDD HH:MM

Stop YYYY DDD HH:MM

View Details

Job ID ##### Approved

Job Type #Value#

Start YYYY DDD HH:MM

Stop YYYY DDD HH:MM

View Details

Job ID ##### Submitted

Job Type #Value#

Start YYYY DDD HH:MM

Stop YYYY DDD HH:MM

View Details

Maintenance History

Job ID	Type	Created On	Started On	Completed On	Technician	Description
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...
#####	#jobType#	YYYY DDD HH:MM	YYYY DDD HH:MM	YYYY DDD HH:MM	FirstName LastName	Notes...

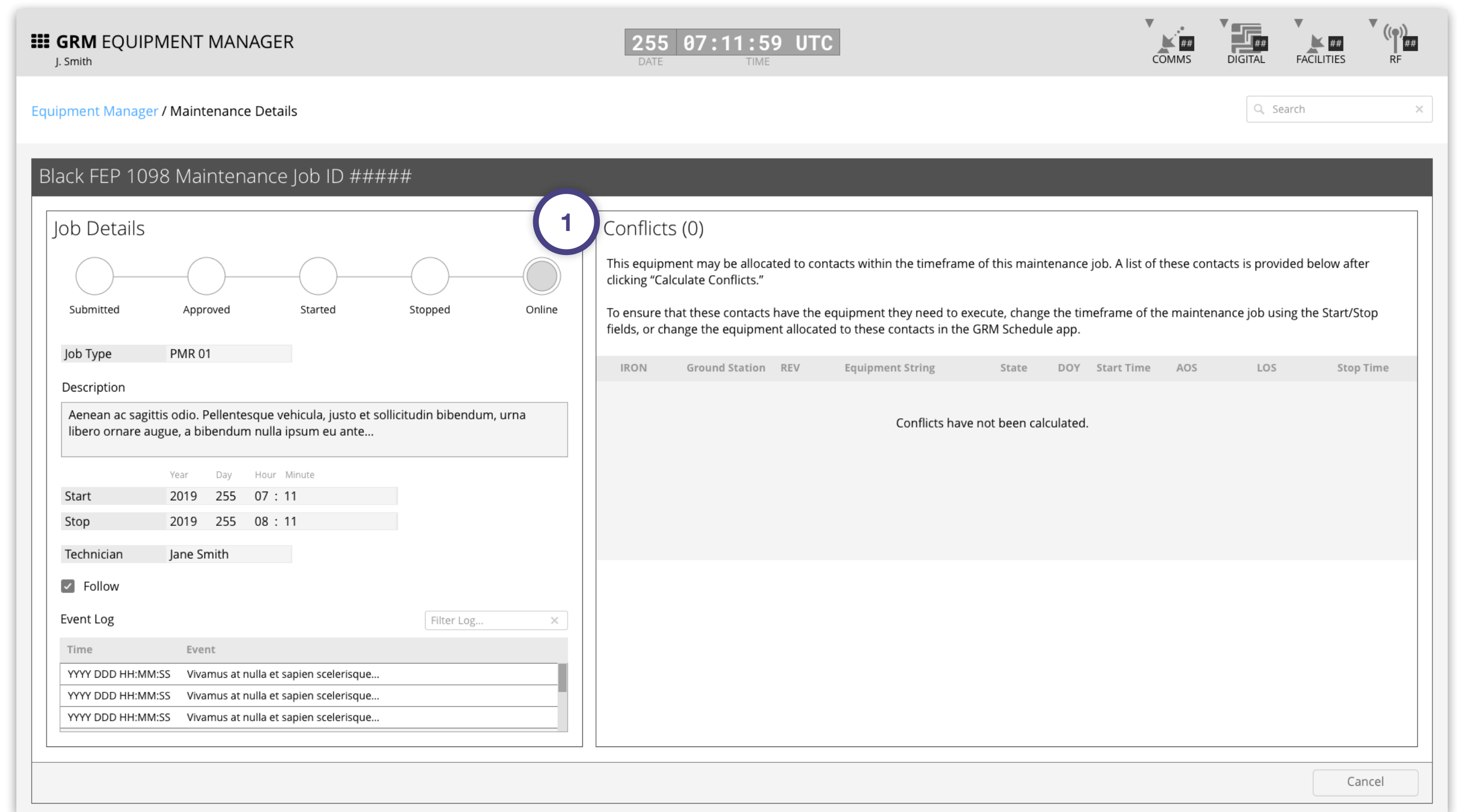
Equipment Manager - Maintenance History Flow

Step

View the Maintenance Details page for the completed job.

Features & Interactions

1. The Progress Tracker indicates that the job is complete and that the equipment was placed back in the resource pool. The number and taxonomy of these steps should be configured by each squadron at set up time.



GRM EQUIPMENT MANAGER
J. Smith

255 07:11:59 UTC
DATE TIME

COMMS DIGITAL FACILITIES RF

Equipment Manager / Maintenance Details

Black FEP 1098 Maintenance Job ID #####

Job Details

Submitted Approved Started Stopped **Online**

Job Type: PMR 01

Description: Aenean ac sagittis odio. Pellentesque vehicula, justo et sollicitudin bibendum, urna libero ornare augue, a bibendum nulla ipsum eu ante...

	Year	Day	Hour	Minute
Start	2019	255	07	11
Stop	2019	255	08	11

Technician: Jane Smith

Follow

Event Log

Time	Event
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...
YYYY DDD HH:MM:SS	Vivamus at nulla et sapien scelerisque...

Conflicts (0)

This equipment may be allocated to contacts within the timeframe of this maintenance job. A list of these contacts is provided below after clicking "Calculate Conflicts."

To ensure that these contacts have the equipment they need to execute, change the timeframe of the maintenance job using the Start/Stop fields, or change the equipment allocated to these contacts in the GRM Schedule app.

IRON	Ground Station	REV	Equipment String	State	DOY	Start Time	AOS	LOS	Stop Time
Conflicts have not been calculated.									

Cancel