

PNNL-XXXXX

ARAM Quick Start Guide

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- 1 Enter your username and password

Click **Login**

For reference your login credentials are:

Email

Password

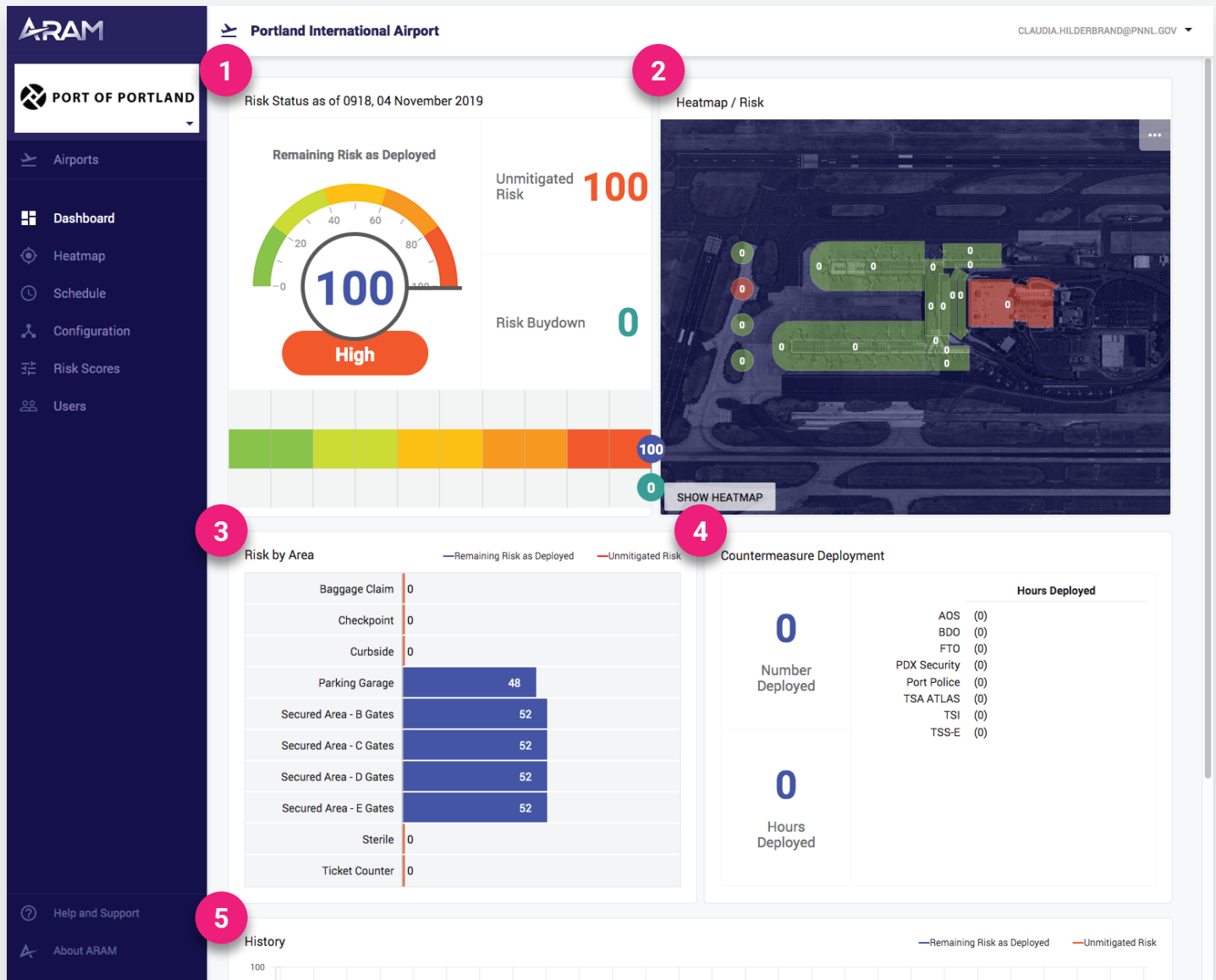
- 2 An email will be sent to the account associated with your ARAM login.

Copy the security code into the ARAM Security Code field.



^PNNL ARAM
ARAM Login Confirmation Code 12:00 AM
Your security code is: 205898

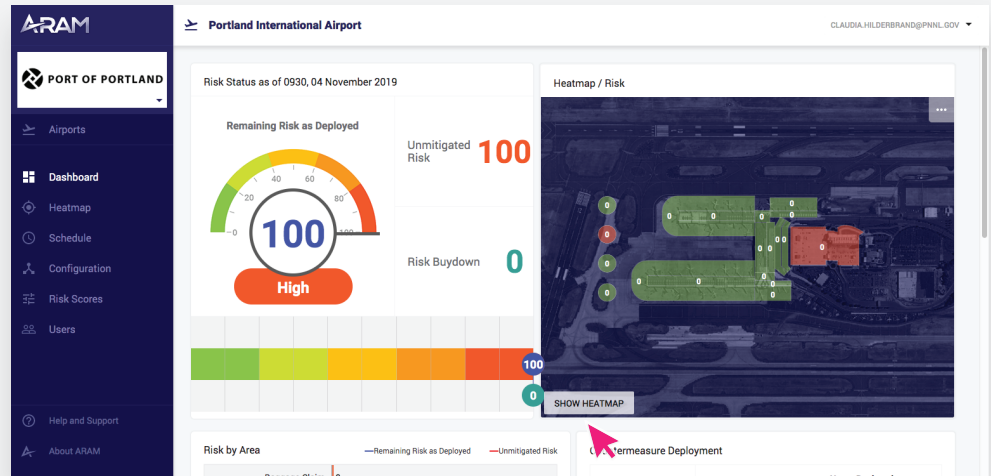
- 3 Click **Login** again to continue



The ARAM dashboard gives you a quick snapshot of the current day's risk and countermeasure deployment profile.

- 1 The Risk Status gauge shows the current remaining risk as well as the unmitigated risk (risk before countermeasures deployed) and the amount of risk that has been bought down by the deployment.
- 2 The Heatmap snapshot gives a high-level overview of the remaining risk by area, and the number of countermeasures deployed to each.
- 3 Risk by Area displays the maximum and bought-down risk at each area.
- 4 Countermeasure Deployment shows the total number of countermeasures deployed and the number of hours each countermeasure type has been scheduled for.
- 5 The History chart displays the unmitigated risk (red line) and the remaining risk as deployed (blue line) for the past 30 days as day-by-day trend lines. The gray line represents the actual values of the risk, hour by hour.

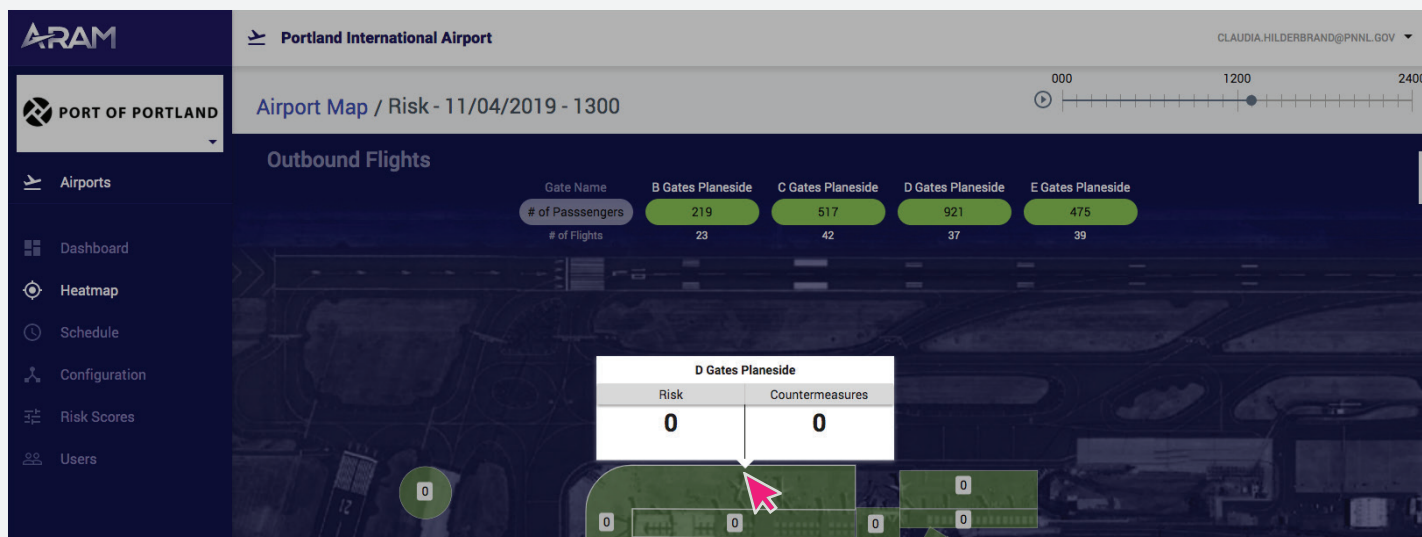
- 1 Click **Show Heatmap** from the dashboard



- 2 View heatmap



- 3 Click on an area to view the area name, risk score and countermeasures details.



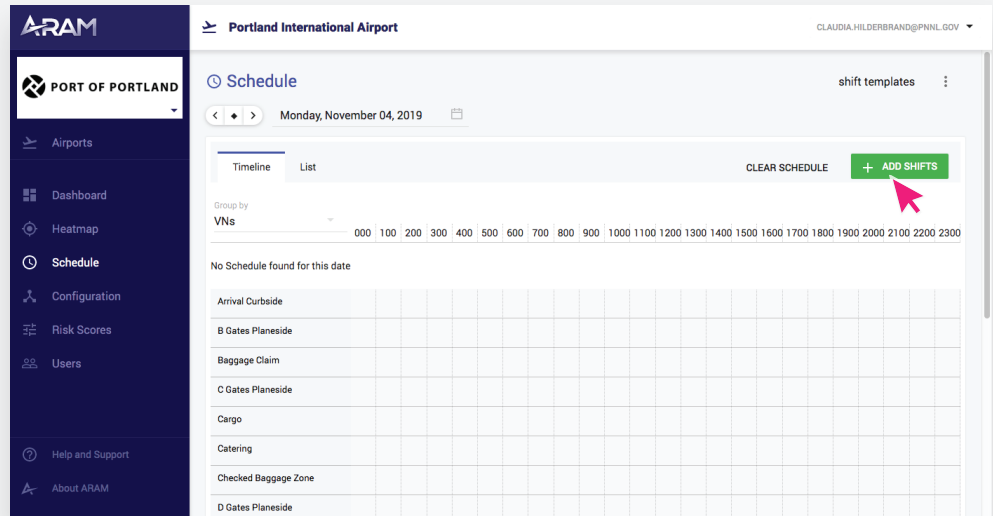
- 4 Click the settings tab to adjust the heatmap color scale, opacity of the background/map, and what the heatmap is measuring (Risk, # of countermeasures, passenger population).



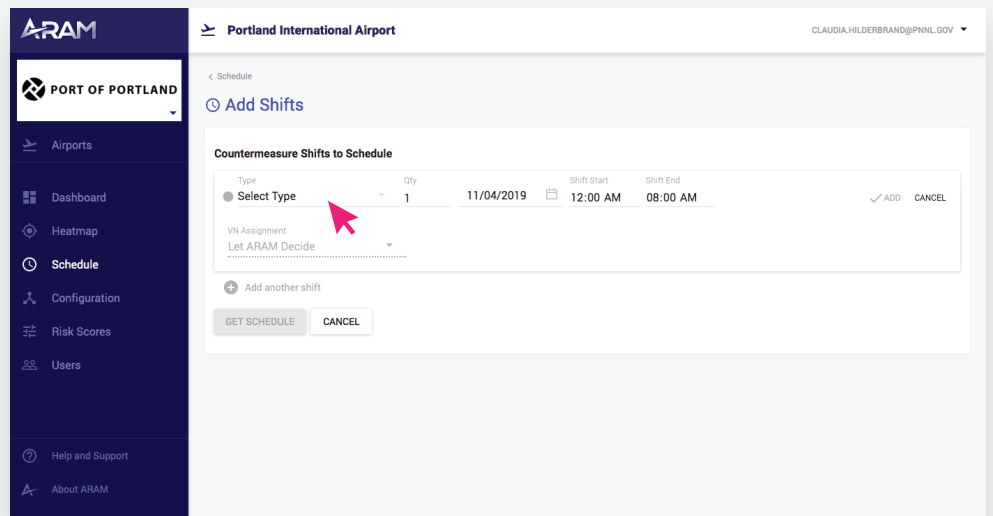
ARAM Assigning Countermeasures to a Schedule

- 1 Select **Schedule** from the left navigation

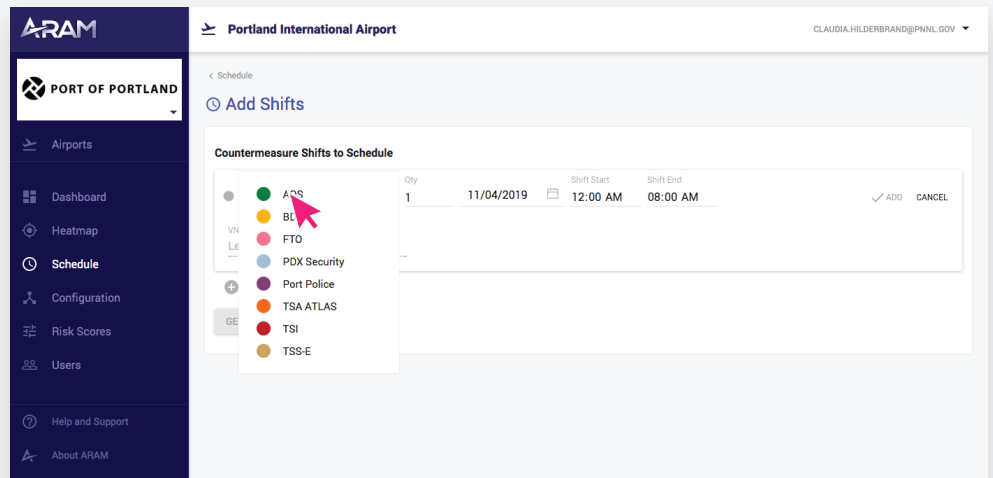
Click **+ Add Shifts**



- 2 Edit the first shift you want to add



- 3 Select the type of countermeasure, the quantity, shift start and end and select how you want ARAM to schedule the shift.



4 Click **Add**

The screenshot shows the ARAM interface for 'Portland International Airport'. The left sidebar contains navigation links: Airports, Dashboard, Heatmap, Schedule, Configuration, Risk Scores, Users, Help and Support, and About ARAM. The main content area is titled 'Add Shifts' and contains a form for 'Countermeasure Shifts to Schedule'. The form has fields for Type (AOS), Qty (1), Date (11/04/2019), Shift Start (12:00 AM), Shift End (08:00 AM), and VN Assignment (Let ARAM Decide). A pink arrow points to the 'ADD' button, which is a green checkmark icon. Below the form are buttons for 'GET SCHEDULE' and 'CANCEL'.

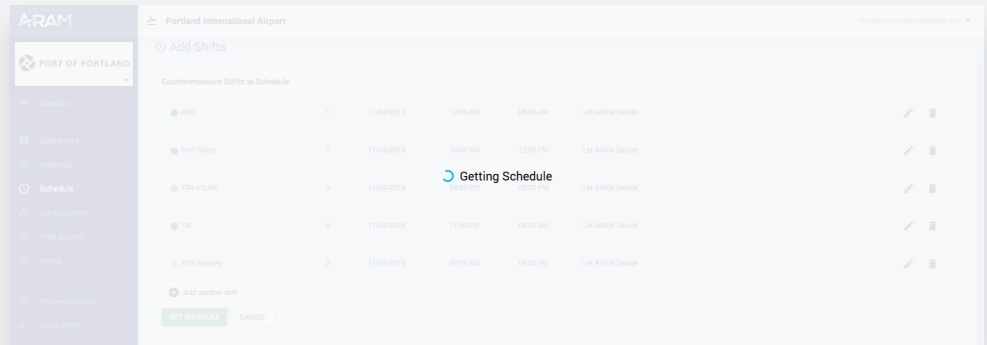
5 Add additional shifts

The screenshot shows the ARAM interface for 'Portland International Airport'. The left sidebar is the same as in the previous screenshot. The main content area is titled 'Add Shifts' and contains a table of 'Countermeasure Shifts to Schedule'. The table has columns for Type, Qty, Date, Shift Start, Shift End, and VN Assignment. Two shifts are listed: 'AOS' (Qty 1, Date 11/04/2019, Shift Start 12:00 AM, Shift End 08:00 AM, VN Assignment Let ARAM Decide) and 'Port Police' (Qty 1, Date 11/04/2019, Shift Start 10:00 AM, Shift End 08:00 AM, VN Assignment Let ARAM Decide). A pink arrow points to the 'ADD' button, which is a green checkmark icon. Below the table are buttons for 'GET SCHEDULE' and 'CANCEL'.

6 After you have added all of your shifts, click **Get Schedule** at the bottom of the screen.

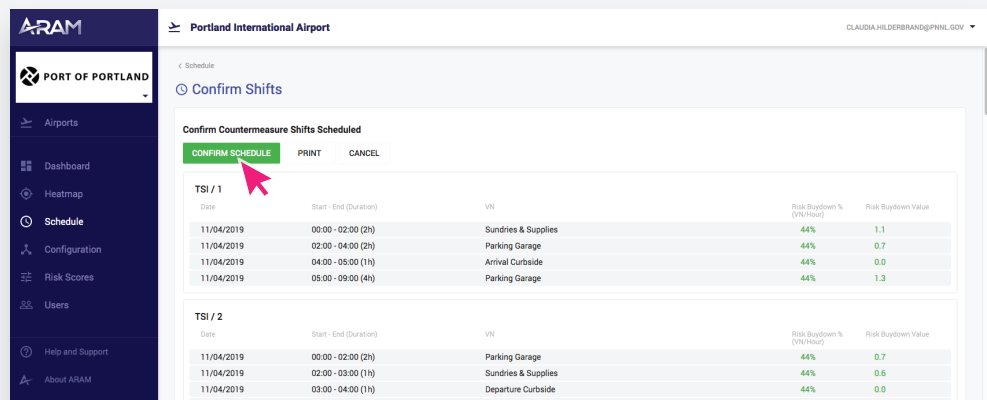
The screenshot shows the ARAM interface for 'Portland International Airport'. The left sidebar is the same as in the previous screenshots. The main content area is titled 'Add Shifts' and contains a table of 'Countermeasure Shifts to Schedule'. The table has columns for Type, Qty, Date, Shift Start, Shift End, and VN Assignment. Five shifts are listed: 'AOS' (Qty 1, Date 11/04/2019, Shift Start 12:00 AM, Shift End 08:00 AM, VN Assignment Let ARAM Decide), 'Port Police' (Qty 1, Date 11/04/2019, Shift Start 10:00 AM, Shift End 12:00 PM, VN Assignment Let ARAM Decide), 'TSA ATLAS' (Qty 3, Date 11/04/2019, Shift Start 04:00 PM, Shift End 08:00 PM, VN Assignment Let ARAM Decide), 'TSI' (Qty 5, Date 11/04/2019, Shift Start 11:00 PM, Shift End 08:00 AM, VN Assignment Let ARAM Decide), and 'PDX Security' (Qty 2, Date 11/04/2019, Shift Start 07:00 AM, Shift End 04:00 PM, VN Assignment Let ARAM Decide). A pink arrow points to the 'GET SCHEDULE' button, which is a green checkmark icon. Below the table are buttons for 'GET SCHEDULE' and 'CANCEL'.

- 7 ARAM will calculate the best assignments for lowering risk.

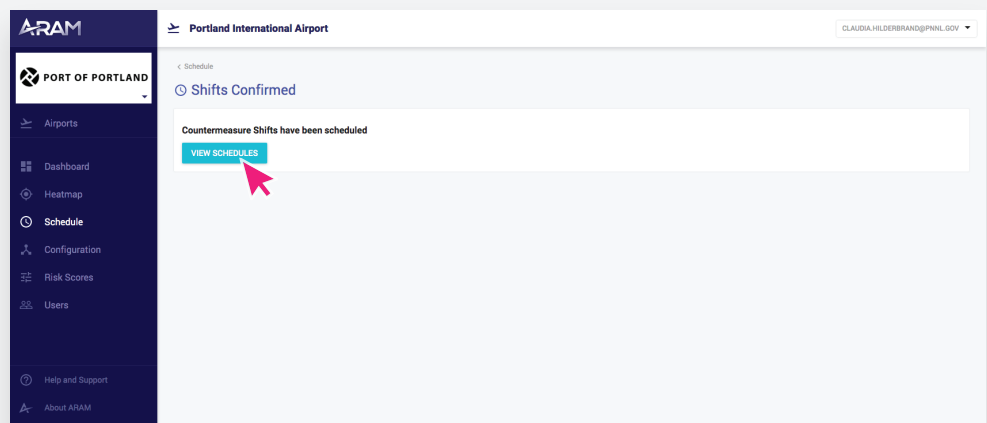


- 8 Review the shift assignments

Scroll to the bottom of the screen and click **Confirm Schedule**



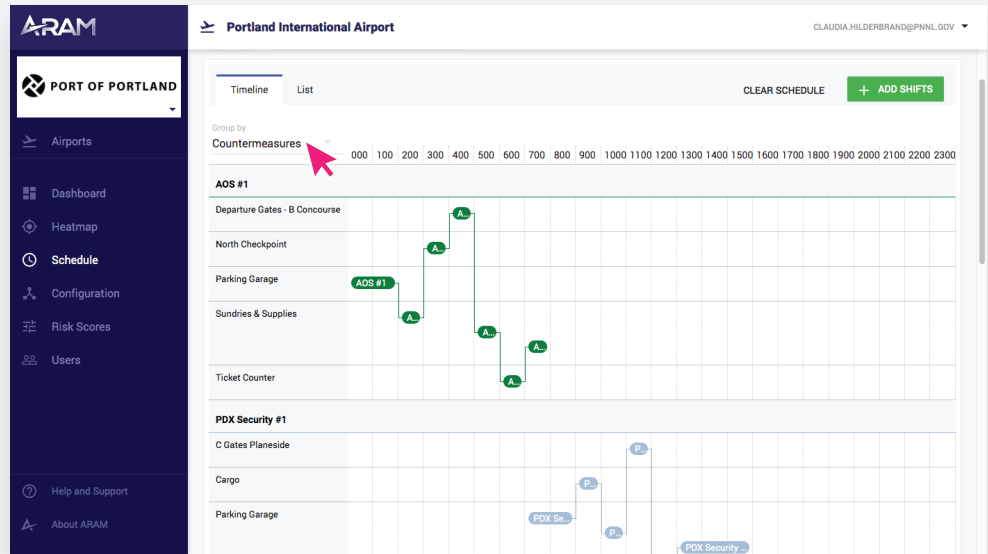
- 9 Click **View Schedule**



10 The optimized schedule will appear in timeline mode.

You can group the scheduled assignments either by area or by countermeasure type.

Click the **Group By** drop down to switch views.



11 You can also view the assignments in a list mode.

Click the **List tab** to switch to list view.

Click on each of the headers to change the way the list is sorted.

Countermeasure	Area/VN	Arrive	Depart	Shift Start	Shift End	Type	% Risk Buydown
AOS / 1	Parking Garage	00:00	02:00	00:00	08:00	Optimized	44.00%
AOS / 1	Parking Garage	00:00	01:00	00:00	08:00	Optimized	44.00%
AOS / 1	Parking Garage	01:00	02:00	00:00	08:00	Optimized	44.00%
AOS / 1	Sundries & Supplies	02:00	03:00	00:00	08:00	Optimized	44.08%
AOS / 1	North Checkpoint	03:00	04:00	00:00	08:00	Random	44.08%
AOS / 1	Departure Gates - B Concourse	04:00	05:00	00:00	08:00	Random	44.08%
AOS / 1	Sundries & Supplies	05:00	06:00	00:00	08:00	Random	44.08%
AOS / 1	Ticket Counter	06:00	07:00	00:00	08:00	Random	44.08%
AOS / 1	Sundries & Supplies	07:00	08:00	00:00	08:00	Optimized	44.08%
PDX Security / 1	Parking Garage	07:00	09:00	07:00	16:00	Optimized	44.00%
PDX Security / 1	Cargo	09:00	10:00	07:00	16:00	Random	44.00%
PDX Security / 1	Parking Garage	10:00	11:00	07:00	16:00	Optimized	44.00%