

Skinwalker Ranch Insiders Reporting Application

Requirements Document

Revision	0.3
Review	pending
Author	Roger Altorfer

Table of Contents

1	PROBLEM STATEMENT	4
1.1	PS-001 – DATA SUBMISSION	4
1.2	PS-002 – FEEDBACK	4
1.3	PS-003 – INCONSISTENCY	4
1.4	PS-004 – CONSOLIDATION	4
1.5	PS-005 – MAPPING OF ANOMALIES AND ACTIVITIES	4
1.6	PS-006 – REPORTING DASHBOARD	4
1.7	PS-007 – PROCESS	5
1.8	PS-008 – ACCESS SECURITY	5
1.9	PS-009 – DATA SECURITY	5
2	USER STORIES	6
2.1	US001 – SWR INSIDER – NEW EVENT	6
2.2	US002 – SWR INSIDER FOCUS ADMIN – NEW FOCUS ACTIVITY	6
2.3	US003 – SWR TEAM – NEW PLANNED ACTIVITY ON THE RANCH	6
2.4	US004 – SWR INSIDER - SIGN-UP FOR FOCUS EVENT	6
2.5	US005 – EVENT L1 REVIEW: L1 REVIEWER	7
2.6	US006 – EVENT L2 REVIEW: L2 REVIEWER	7
2.7	US006 – EVENT REVIEW: SWR TEAM	7
2.8	US007 – DASHBOARD FUNCTIONALITY FOR SWR INSIDER	7
2.9	US008 – DASHBOARD FUNCTIONALITY FOR SWR TEAM	8
2.10	US009 – SWR INSIDER REPORTING	8
2.11	US010 – SWR TEAM REPORTING	8
3	EVENTS	9
3.1	UC001 - SUBMIT NEW EVENT	9
3.1.1	ROLES	9
3.1.2	REQUIRED FIELDS: ANOMALY AND NON-ANOMALY	9
3.1.3	REQUIRED FIELDS: POLTERGEIST CONTAGION	10
3.2	EVENT CLASSIFICATIONS	11
3.2.1	MAIN CLASSIFICATION DEFINITION	11
3.2.2	SUB CLASSIFICATION DEFINITION	11
3.3	EVENT STATUS	12
4	PROCESS	13
4.1	PS001 – EVENT REVIEW PROCESS	13
4.2	PS001– L1 REVIEW OF SUBMITTED EVENTS	14
4.2.1	ROLES	14
4.2.2	CONSOLIDATE EVENTS	14
4.2.3	EDIT AND RECLASSIFY EVENTS	14
4.3	PS001– L2 REVIEW OF SUBMITTED EVENTS	14
4.3.1	ROLES	14
4.4	PS001– REVIEW SWR TEAM OF SUBMITTED EVENTS	15
4.4.1	ROLES	15

5	ACTIVITIES	16
5.1	UC002 – NEW ACTIVITY: “FOCUS GROUP SESSION”	16
5.1.1	ROLES	16
5.1.2	REQUIRED FIELDS	16
5.2	UC003 – NEW ACTIVITY: SWR TEAM	17
5.2.1	ROLES	17
5.2.2	CREATION OF A PLANNED ACTIVITY	17
5.2.3	ACTIVITY CLASSIFICATION	18
5.2.4	ACTIVITY STATUS	19
5.3	UC004 - SIGN UP FOR PLANNED ACTIVITY: “FOCUS GROUP SESSION”	19
5.3.1	ROLES	19
5.4	UC005 – MAPPING OF ANOMALIES AND ACTIVITIES	19
5.5	UC006 – LIKE EVENT	20
5.6	UC007 – COMMENT EVENT	20
6	REPORTING (TBD)	21
6.1	UC007 – REPORTING SWR INSIDERS	21
6.2	UC008 – REPORTING SWR TEAM	21
7	ROLES	22
7.1	SWR INSIDER	22
7.2	FOCUS ADMIN	22
7.3	REVIEW L1	22
7.4	REVIEW L2	22
7.5	SWR TEAM	22
7.6	ADMINISTRATOR	22
8	ROLE ACCESS MATRIX	23
9	DATA MODEL	24

1 Problem Statement

1.1 PS-001 – Data Submission

The current solution is a free-text spreadsheet which requires some experience to report event. This results not only in higher time consumption for the submission of the event, but also prevents the further usage of the submitted data.

1.2 PS-002 – Feedback

The Spreadsheet does not allow us to close out individual cases and receive feedback directly from SWR team members as there is no real review process in place.

1.3 PS-003 – Inconsistency

Event submission is not easy for new Members, all Fields are currently free-text which is time consuming. This results in inconsistent data and a high error rate on submission. Due to data inconsistency with the current free-text fields, it is not possible to group, search, report on the submitted events.

1.4 PS-004 – Consolidation

With the increasing Insider Group size, the same event might be submitted by several users at the same time with slightly different timestamps. Those events can't be consolidated in the current solution. This results in duplicate entries and increases the review effort

1.5 PS-005 – Mapping of Anomalies and Activities

Correlation of events with ongoing focus sessions, experiments or other activity on the ranch is not possible due to lack of data or reporting capabilities. Some of the data such as experiment information and other ranch activities must not be made public.

1.6 PS-006 – Reporting Dashboard

Users and SWR Team have different requirements to review the data. Right now, there is no easy way to quickly check what happened in the last 24hrs, what is the status of the submitted event, where is review pending, what is closed etc.

1.7 PS-007 – Process

The current solution does not offer a streamlined review process, this results in duplicate entries and false-positives. As reporting and mapping of events is key, we have to ensure the data quality in a review process with different roles.

1.8 PS-008 – Access Security

The current solution does not prevent non-insiders from accessing and manipulating the data, there are no roles in place or any sort of security features to prevent users from manipulating data in the spreadsheet. All submitted Insider events must be available for Insiders to view. But other Data which could be beneficial for data analysis could contain sensitive information that must be kept secure from Insiders, such as camera location, planned experiments, etc.

1.9 PS-009 – Data Security

Current spreadsheet can be downloaded, shared and expressed in many formats without consent or permission.

2 User Stories

2.1 US001 – SWR Insider – New Event

- As a SWR Insider, we want to be able to easily report anomalous findings and animals on the SWR webcam streams, but also adding an outage of the Livestream which could be the aftermath of a “Planned Activity” or other unfortunate events such as power outages. To have an easy submission experience, we would like to use predefined types and classifications to report an event in a fast and easy way.
- Besides the anomalies, we would like to submit an event for a Hitchhiker Events that happens such as strange dreams, electronic disturbances, etc.
- Once we create an event, we would like to see its progress and the findings of the reviewers.
- We would like to specially mark an Event with a like + that shows an important happening such as: UAP Landing, Dancing Orbs in the sky, UAP entering the Mesa, and this specially marked Event should be highlighted.

2.2 US002 – SWR Insider Focus Admin – New Focus Activity

- For SWR Focus Admin, we would like to create a new Focus Group activity where Insiders can sign-up for. It should be possible for me to edit the focus activity prior to its occurrence and to see who will attend. Note: 2nd app
- During and after the Focus session, we need the capability to link the focus event with “Reported Anomalies” during that time period to identify potential correlations.

2.3 US003 – SWR Team – New planned Activity on the Ranch

- As SWR Team member, we would like to add a planned activity to the database, such as maintenance work (HS2 renovation for example), experiments (antennae lesson on spectrum overlay for example) and anything to that effect for public disclosure.
- To identify correlations with reported Anomalies by Insiders we must be able to link a planned activity with one or many events during these set time periods.

2.4 US004 – SWR Insider – Sign-up for Focus Event

- As SWR Insider, we need the overview of the upcoming focus sessions and need the ability to sign-up for.
- The Events we Signed up for should be shown on the “Insider Dashboard” as “My Activities” and a separate view for all planned Focus Events

2.5 US005 – Event L1 Review: L1 Reviewer

- As a Reviewer, I need an Overview Dashboard that show me all submitted Anomalies that have been reported by the Insiders for review.
- I would need to consolidate “duplicate” Events that have been submitted by various users.
- In case I am not sure how to categorize the Event, we would like to forward it for review to the SWR Team, otherwise must have the means to close the Event

2.6 US006 – Event L2 Review: L2 Reviewer

- As an L2 Reviewer, I need an Overview Dashboard that show me all forwarded Events from the L1 Review process to make an analysis of the unknown happening and link it to potential planned activities
- Once I have finished my work on the Event, I must be able to close it.

2.7 US006 – Event Review: SWR Team

- As SWR Team, we need an Overview Dashboard that show us all forwarded Events from the L2 Reviewers to make an analysis of the unknown happening and link it to potential planned activities as well as forward it to official channels within SWR Ranch HQ for further analytics
- Once we have finished our work on the Event, we must be able to close it.

2.8 US007 – Dashboard functionality for SWR Insider

As SWR Insider, we would like to have one single Dashboard that it capable to show me:

- Events submitted in the Last 24hrs (with filtering – custom) as default, but also the capability to see all submissions
- Upcoming Events like Focus Group Sessions I can sign up for
- Upcoming planned activities on the Ranch (I understand that the content of this activity might be unavailable to me.)
- Report functionality to show me all submitted SWR Insider Events that we can Filter and Download.

2.9 US008 – Dashboard functionality for SWR Team

As a SWR Team member we would like to have a Dashboard that gives me the following capabilities:

- Amount of Events in the last 24hrs
- Planned Focus Group Events
- List of Events that require my review
- Upcoming planned activities and the capability to add a new activity

2.10 US009 – SWR Insider Reporting

As an Insider, I would like to analyze all the submitted Events by my colleagues, but also see if there is a correlation of the Reported Events with any planned activity from the Focus Group or the SWR Team

2.11 US010 – SWR Team Reporting

- As SWR Team Member, I would require the same basic reporting functionality given to the SWR Insiders.
- Although I would like to have more reporting capabilities that show the Reported Events on a Map. But also, the ability to see all submitted Events that happened during a planned activity.

3 Events

3.1 UC001 - Submit New Event

Creation of a new event with the following classification/sub-classification to select from.
After submission the Event must be handled according Process

3.1.1 Roles

- SWR Insider
- SWR Team

3.1.2 Required Fields: Anomaly and Non-Anomaly

Field Name	Value	Type
Activity ID	serial	display
Classification	foreign_key:event_classification	select
Sub Classification	foreign_key:event_sub_classification	select
Audio only	Boolean:no	checkbox
Start Time/Date	Time/Date	select
End Time/Date	Time/Date	select
Cameras*	foreign_keys:camerasmulti-select	Multi-select
Viewport	Foreign_key:viewport	select
Links	Text	Text(255)
Attachment	Foreign_keys:attachments	file
Description	Text	Text(1000)
Linked Anomalies	Foreign_keys:anomalies	lookup
Linked Activities	Foreign_key:activities	lookup
Activity_status_id	Plannedforeign_key:activity_status	Display(default:planned)

* = mandatory

3.1.3 Required Fields: Poltergeist Contagion

Field Name	Value	Type
Activity ID	serial	display
Classification	foreign_key:event_classification	select
Sub Classification	foreign_key:event_sub_classification	select
Audio only	Boolean:no	checkbox
Start Time/Date*	Time/Date	select
End Time/Date*	Time/Date	select
Location ¹	text	select
Coordinates ¹	LatLong	select
Link to Clip	Text	Text(255)
Attachments	Foreign_key:attachments	file
Description*	Text	Text(1000)
ActivityActivity status	Plannedforeign_key:activity_status	display (default:planned)

1 = Can be hidden or changed to a radius for security reasons (tbd)

* = mandatory

3.2 Event Classifications

3.2.1 Main Classification Definition

Classification	Description
Anomaly	An observed event which lacks conventional explanation
Non-Anomaly	An observed event which is easily identifiable
Poltergeist Contagion	An observed event which coincides with a personal experience or oddity
Other	An observed event which does not fit any category

3.2.2 Sub Classification Definition

Classification	Sub-Classification	Description
Anomaly	UAP	Unidentified Aerial Phenomenon
	UFO	Unidentified Flying Object
	Glitch	Camera glitch, timestamp jitters, etc.
	Other	An anomaly which does not fit any category
Non-Anomaly	Animal	Easily identifiable insect or animal
	Human	Easily identifiable humans, one or multiple, human-made causes
	Weather	Easily identifiable weather phenomenon or pattern
	Other	A non-anomaly which does not fit any category
Poltergeist Contagion	Hitchhiker	Paranormal phenomenon which may attach its self to investigators
	Electronic Hitchhiker	Electronic and paranormal phenomenon which may affect electronic devices
	Compromised Cognition	An event in which a person may experience inhibited cognition without obvious causation

	Illness	An event in which a person may experience sudden and/or unexplainable illness
	Nightmare	A nightmare or night terror which coincides with a relevant observed event
	Other	A contagion which does not fit any category

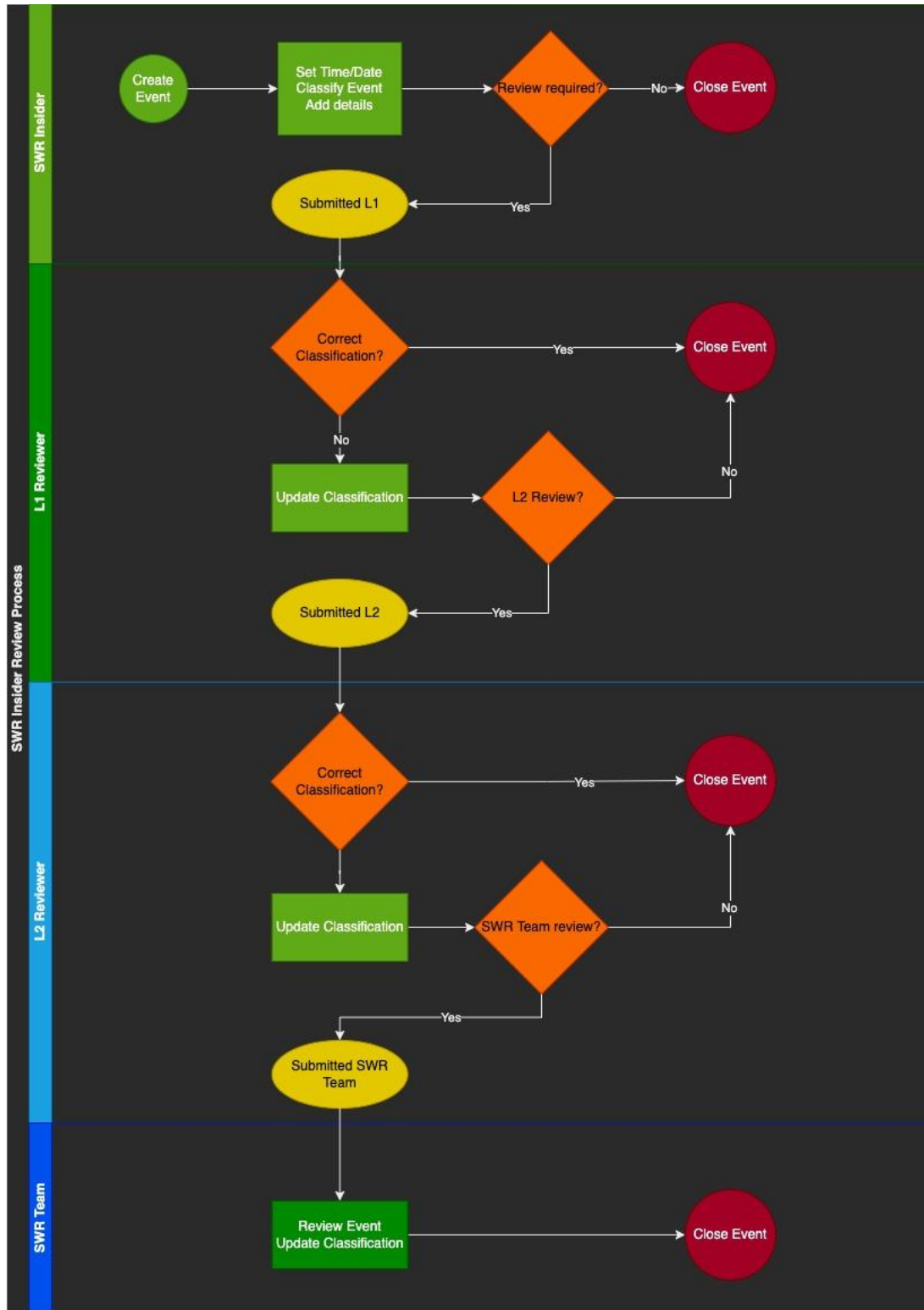
3.3 Event Status

The following status must be updated according to the Review Process

Name	Description
Submitted	User submits the Event for L1 review
L1 Review	L1 review in progress
Submitted L2	L1 submits the Event for L2 review
L2 Review	L2 review in progress
Submitted SWR	L2 submits the Event for SWR review
SWR Review	SWR review in progress
Closed	End state
Deleted	Event will not show up in any report or link

4 Process

4.1 PS001 – Event Review Process



4.2 PS001– L1 Review of submitted Events

- The L1 Reviewer must see all new submitted events which are pending for review on the Dashboard (Status: “Submitted L2”).
- Once a L1 reviewer opens a submitted event, the event status must be updated to “L1 Review” and must no longer be editable by the submitter.

4.2.1 Roles

- L1 Reviewer

4.2.2 Consolidate Events

- Events that occurred at the same Time must be shown grouped on the dashboard for easier reviewing, grouping must be based on Time of occurrence and Camera.

4.2.3 Edit and reclassify Events

- Reviewer must be able to edit all select Fields of the Event to make a reclassification if required.
- Reviewer must Close the Event if everything is correct identified, if not, he must forward the Event to L2 Review for further Investigation.

4.3 PS001– L2 Review of submitted Events

- The L2 Reviewer must see all new submitted events which are pending for review on the Dashboard (Status: “Submitted L2”).
- Once a L1 reviewer opens a submitted event, the event status must be updated to “L2 Review” and must no longer be editable by the submitter.

4.3.1 Roles

- L2 Reviewer

4.3.1.1 Consolidate Events

Events that occurred at the same Time must be shown grouped on the dashboard for easier reviewing, grouping must be based on Time of occurrence and Camera.

4.3.1.2 Edit and reclassify Events

- Reviewer must be able to edit all select Fields of the Event to make a reclassification if required.
- Reviewer must Close the Event if everything is correct identified, if not, he must forward the Event to SWR Review for further Investigation.

4.4 PS001– Review SWR Team of submitted Events

The SWR Team must see all new submitted events which are pending for “SWR review” on the Dashboard.

Once a “SWR Team” member opens a submitted event, the activity status must be updated to “SWR review” and must no longer be editable by any other Role.

4.4.1 Roles

- SWR Team

5 Activities

5.1 UC002 – New Activity: “Focus Group session”

Creation of an upcoming Focus Group event where SWR Insiders and/or SWR Team can sign up for. The activity must be editable for the Focus Admin until it will be automatically closed (x-hours) 3 days after the last update, earliest 72hrs after planned_end and last update.

5.1.1 Roles

- Focus Admin
- SWR Team

5.1.2 Required Fields

Field Name	Value	Type
Activity ID	serial	display
Classification	Foreign_key:activity_classification	Display: Focus Session
Sub Classification	Time/Date	select
Start Time/Date*	Time/Date	select
End Time/Date*	Foreign_key:camerasmulti-select	Multi-select
Cameras*	Foreign_key:viewport	select
Description	Text Field (optional)	Text(255)
Activity status	foreign_key:activity_status	Select (default:Planned)

* = mandatory

¹ = Locked from change

5.2 UC003 – New Activity: SWR Team

5.2.1 Roles

SWR Team

5.2.2 Creation of a planned activity

Creation of a planned ranch activity to track potential correlation with Insider reported events. With the capability to hide the Event from other Roles (except Administrator).

5.2.2.1 Required Fields

Field Name	Value	Type
Activity ID	serial	display
Classification	foreign_key:activity_classification	select
Sub Classification	foreign_key:activity_sub_classification	select
Confidential	Boolean:yes	checkbox
Start Time/Date*	Time/Date	select
End Time/Date*	Time/Date	select
Cameras	foreign_key:camerasmulti-select	Multi-select
Title	Text	Text(50)
Description	Text	Text(1000)
Attachments	Foreign_key:attachments	file
Linked Anomalies	Foreign_keys:anomalies	select
Linked Activities	Foreign_keys:activities	select
Activity status	Plannedforeign_key:activity_status	select (default:planned)

* = mandatory

5.2.3 Activity Classification

Classification	Sub Classification	Description
MaintenanceClassification	Drillingselect	
Sub Classification	Digging	
	Other	
Experiment	Drilling	
	Digging	
	Rockets	
	Energymulti-select	
	Spiritual	
	Other	
VisitorActivity	(blank)Planned	
Other	(blank)	
Focus Session	(blank)	

5.2.4 Activity Status

- Planned (default), can be edited by Focus Admin, SWR Team
- Closed
 - (auto-close x-days after last update, not earlier than x-days after planned end-date) except manually closed.
 - Locked from editing when closed
 - Can be re-opened by SWR Team or Administrator for editing.

5.3 UC004 - Sign Up for Planned Activity: “Focus Group session”

Upcoming Focus Group events must be visible to all Roles to sign up for from the Dashboard (Upcoming Activity). Once signed-up, it must be visible on the Dashboard “My Activities” (My Upcoming Activities).

It must be possible to open the activity from the Dashboard to see the Details and to remove my attendance.

5.3.1 Roles

- SWR Insider
-

5.3.1.1 Consolidate Events

Events that occurred at the same Time must be shown grouped on the dashboard for easier reviewing, grouping must be based on Time of occurrence and Cameras.

5.3.1.2 Edit and reclassify Events

Reviewer must be able to edit all select Fields of the Event to make a reclassification if required.

Reviewer must Close the Event if everything is correct identified. Otherwise it will be marked as closed 72 hours after last update.

5.4 UC005 – Mapping of Anomalies and Activities

All running or closed Activities must automatically be linked to reported Anomalies during the Start and End Time.

SWR Team Members can review the linked events and add additional anomalies that happened after the End Time. The status must automatically be updated to closed 7 days after the last update.

5.5 UC006 – Like Event

Users must be able to “Like” an Event or Activity to be shown on the Dashboard as “Event Leaderboard”

5.6 UC007 – Comment Event

Insiders must be able to add/modify/delete comments to events, this applies to all of status !=deleted

6 Reporting (tbd)

6.1 UC007 – Reporting SWR Insiders

tbd

6.2 UC008 – Reporting SWR Team

Tbd

7 Roles

7.1 SWR Insider

Standard Role given to all active SWR Insiders
Confidential” Activities MUST be hidden

7.2 Focus Admin

Assigned by SWR Team or Administrator
Role to Create a New Activity of Classification “Focus Session”
Capability to modify the event until: Status “Closed”
Confidential” Activities MUST be hidden

7.3 Review L1

Access to Open and Edit Events of Status “submitted”
Capability to submit Event to L2 Review
Can close Event
Confidential” Activities MUST be hidden

7.4 Review L2

Access to Open and Edit Events of Status “submitted”
Capability to submit Event to SWR Team
Can close Event
Confidential” Activities MUST be hidden

7.5 SWR Team

Access to SWR Team Reports
Access to all Data
Can Create/Manage/View Activities and Anomalies not in status “closed”
Can re-open all closed Activities and Anomalies

Enhanced reporting capabilities with Camera Location Information

7.6 Administrator

Yes?

8 Role Access Matrix

Event Task	SWR Insider	L1 Reviewer	L2 Reviewer	Focus Admin	SWR Team
Create Event status=submitted	▲	●	●	●	●
L1 Review status=L1 Review	●	■	●	●	●
L2 Review status=L2 Review	●	●	■	●	●
SWR Team Review status=SWR Team Review	●	●	●	●	■
Comment, Likes, Dashboard, Reports	▲	▲	▲	▲	▲
Activity Task	SWR Insider	L1 Reviewer	L2 Reviewer	Focus Admin	SWR Team
Create Activity status=planned	●	●	●	▲	■
Running status=Running	●	●	●	▲	■
Completed status=completed	●	●	●	▲	■
Closed status=close	●	●	●	●	■
Comment, Likes, Dashboard, Reports	▲	●	●	▲	■

○

Read

△

Owner Write

■

Write

9 Data Model

