

Ramp LOSA Observation

Table of Contents

Ramp LOSA Demographics 2

Agent (Print a separate Agent form for each Agent) 4

Fatigue Questionnaire 6

Ramp LOSA Observation Forms: ARRIVAL (1) 7

Ramp LOSA Observation Forms: DOWNLOADING (2) 10

Ramp LOSA Observation Forms: LAVATORY/POTABLE WATER SERVICE (3)..... 12

Ramp LOSA Observation Forms: CATERING (4) 14

Ramp LOSA Observation Forms: CLEANING (5)..... 16

Ramp LOSA Observation Forms: FUELING (6) 18

Ramp LOSA Observation Forms: UPLOADING (7)..... 20

Ramp LOSA Observation Forms: DEPARTURE (8)..... 23

Ramp LOSA Observation Forms: MAINTENANCE (9)..... 26

Ramp LOSA Observation Forms: DE-ICING/ANTI-ICING (10) 28

Ramp LOSA Observation Forms: PILOT WALK-AROUND (11)..... 30

Ramp LOSA Observation Forms: ADDITIONAL THREAT(S) and ERROR(S) 31

Acronyms..... 32

Ramp LOSA Observation Form

Ramp LOSA Demographics

➔ Indicates Required Field

Observer/Team ID: _____

Observation Number: _____

(Assigned by LOSA when entered)

➔ **Observation Type:** (Mark all that apply)

Arrival Downloading Servicing Component Uploading Departure Turnaround

➔ **Date and Start Time of Observation:** _____
(mm/dd/yyyy) (hhmm)

➔ **Date and End Time of Observation:** _____
(mm/dd/yyyy) (hhmm)

➔ **Observation Area:** (Mark all that apply)

Left Forward Wing Right Forward Wing Left Aft Wing Right Aft Wing Cargo Deck

Type of Operations: (Mark all that apply)

Normal Irregular Flight Operations Domestic International

Lighting Conditions: (Mark all that apply)

Daylight Dawn/Dusk Night Sun Glare Overcast Artificial Light

Environment Conditions: (Mark all that apply)

Clear Fog Windy High Humidity Rainy Snow/Sleet/Ice
 Extreme Heat Extreme Cold Lightning/Electrical Storm Dust Storm Sand Storm Others (Specify) _____

Ramp/Floor Conditions:

(Mark only one)

<input type="checkbox"/> Wet <input type="checkbox"/> Dry

(Mark all that apply)

<input type="checkbox"/> Snow/Ice <input type="checkbox"/> Contaminated

<input type="checkbox"/> N/A

Ramp LOSA Observation Form

➔ **Station Country:** _____

➔ **Airline Country:** _____

➔ **Station:** (Airport Code) _____

➔ **Airline:** _____

Terminal: _____

Gate: _____

Irregular Operations: ___ Yes ___ No

Zone: _____

Fleet: _____

Irregular Operation Explanation: _____

➔ **A/C Type:** (Make/Model) _____

➔ **A/C Series:** _____

Training Occurring: ___ Yes ___ No

Arriving From Country: _____

Departing To Country: _____

Arriving From Airport: _____

Departing To Airport: _____

Scheduled Time of Arrival: _____
(mm/dd/yyyy) (hhmm)

Scheduled Time of Departure: _____
(mm/dd/yyyy) (hhmm)

Expected Time of Arrival: _____
(mm/dd/yyyy) (hhmm)

Expected Time of Departure: _____
(mm/dd/yyyy) (hhmm)

Actual Time of Arrival: _____
(mm/dd/yyyy) (hhmm)

Actual Time of Departure: _____
(mm/dd/yyyy) (hhmm)

Downloading Starting Time: _____
(mm/dd/yyyy) (hhmm)

Downloading Finish Time: _____
(mm/dd/yyyy) (hhmm)

Uploading Starting Time: _____
(mm/dd/yyyy) (hhmm)

Uploading Finish Time: _____
(mm/dd/yyyy) (hhmm)

Ramp LOSA Observation Form

Agent (Print a separate Agent form for each Agent)

Years of experience (Craft):

Agent ____ yrs Lead Agent ____ yrs

Years of experience (Skill):

Sheet metal ____ yrs Interior ____ yrs Avionics ____ yrs Repairman ____ yrs
Inspection ____ yrs Shop ____ yrs Other (specify): ____ yrs

Job Function: (Mark all that apply)

____ Marshalling ____ Chocking ____ Refueling ____ Servicing ____ Water/Lavatory ____ Catering ____ Downloading ____ Uploading
____ Towing ____ Pushback ____ De-Boarding ____ Boarding ____ De-icing ____ Pre-flight Walkaround ____ GSE Operator

Employment Type: ____ Full Time ____ Part Time

The agent felt comfortable with the task. ____ Yes ____ No

The agent believed that s/he was qualified for the task (e.g., certification, training). ____ Yes ____ No

Regular Workshift:

____ Days ____ Evening ____ Nightshift ____ Relief ____ Rotating ____ Others (specify): _____

Time in Current Work/Bid Position: ____ months ____ years

Consecutive Days Worked: ____ days

Consecutive Days Worked including Other Jobs (optional): ____ days

Consecutive Hours Worked: ____ hrs

Consecutive Wake Hours: ____ hrs

Hours of Sleep in the Past 24 Hours: ____ hrs

Experience with Aircraft Type:

____ None ____ 1-6 Months ____ 7-12 Months ____ 1 to <3 years ____ 3 to <5 years ____ 5 years or more

Ramp LOSA Observation Form

Experience with Task:

None 1-6 Months 7-12 Months 1 to <3 years 3 to <5 years 5 years or more

Frequency Performed:

1st time Daily Monthly Quarterly Semi-Annually Annually

Remarks: _____

Fatigue Questionnaire

Typical Work Commute: _____ hr _____ minutes

Typical Sleep Period on Non Work Days:

Time to Bed _____ (24 hr format) Time Out of Bed _____ (24 hr format)

Shift of Interest:

Location _____ (Code) Work Start Date _____ (m/d/yyyy) Work Start Time _____ (24 hr format) Work End Date _____ (m/d/yyyy) Work End Time _____ (24 hr format)

Shift 1 Day Prior: (Mark N/A if not applicable/available) _____ N/A

Location _____ (Code) Work Start Date _____ (m/d/yyyy) Work Start Time _____ (24 hr format) Work End Date _____ (m/d/yyyy) Work End Time _____ (24 hr format)

Shift 2 Days Prior: (Mark N/A if not applicable/available) _____ N/A

Location _____ (Code) Work Start Date _____ (m/d/yyyy) Work Start Time _____ (24 hr format) Work End Date _____ (m/d/yyyy) Work End Time _____ (24 hr format)

Shift 3 Days Prior: (Mark N/A if not applicable/available) _____ N/A

Location _____ (Code) Work Start Date _____ (m/d/yyyy) Work Start Time _____ (24 hr format) Work End Date _____ (m/d/yyyy) Work End Time _____ (24 hr format)

Last Sleep Period:

Location _____ (Code) Date to Bed _____ (m/d/yyyy) Time to Bed _____ (24 hr format) Date Out of Bed _____ (m/d/yyyy) Time Out of Bed _____ (24 hr format)

Prior Sleep Period 1:

Location _____ (Code) Date to Bed _____ (m/d/yyyy) Time to Bed _____ (24 hr format) Date Out of Bed _____ (m/d/yyyy) Time Out of Bed _____ (24 hr format)

Prior Sleep Period 2:

Location _____ (Code) Date to Bed _____ (m/d/yyyy) Time to Bed _____ (24 hr format) Date Out of Bed _____ (m/d/yyyy) Time Out of Bed _____ (24 hr format)

Ramp LOSA Observation Forms: ARRIVAL (1)

Observation Number: _____

Did not observe this section

		Safety Risk N/A, Safe (S), At Risk (AR), Didn't Observe (DNO)	Threat Code (See Threat Codes List)	Error Code See Error Codes List)	Threat Effectively Managed Y/N	Error Outcome 1.Inconsequential 2.Undesired state 3.Additional error 4.Do not know	Threat/Error Remarks	General Remarks
Pre-Arrival								
1	Pre-flight briefing (a.k.a. huddle) held							
2	Ramp crew ready prior to A/C arrival							
3	Arrival FOD/trash walk complete							
4	Gate area cleared (clean and orderly)							
5	Loading bridge staged/stowed properly							
6	Equipment staged properly outside clearance area							
7	Marshaller/wingwalkers in position for A/C arrival with proper wands							
8	Stop line identified							
Arrival								
9	Proper hand signals used or automatic guidance system set up to marshal A/C on arrival							
10	Tow-in/tow-on procedures followed							
11	A/C was "safe to approach" (e.g., engines spooled down, rotating beacon off)							
12	A/C properly chocked							
13	Wing tip/engine markers properly placed before GSE approaches A/C							
14	Arrival walkaround performed within required time							

Ramp LOSA Observation Form

		Safety Risk N/A, Safe (S), At Risk (AR), Didn't Observe (DNO)	Threat Code (See Threat Codes List)	Error Code (See Error Codes list)	Threat Effectively Managed Y/N	Error Outcome 1.Inconsequential 2.Undesired state 3.Additional error 4.Do not know	Threat/Error Remarks	General Remarks
15	GPU tongue disconnected from tractor prior to connecting to A/C							
16	Fixed GPU properly connected to A/C							
17	Conditioned air properly connected							
18	Tail post (or nose tether) used as required							
Passenger Loading Bridge								
19	Loading bridge pre-use check completed							
20	Loading bridge positioning procedures followed							
21	Inspection of the passenger door and surrounding area completed before opening							
22	Passenger doors opened and secured properly							
Passenger/Crew Stairs								
23	Passenger/crew stairs pre-use check completed							
24	Passenger/crew stairs positioning procedures followed							
25	Inspection of the passenger door completed before opening							
26	Passenger doors opened and secured properly							
Personnel								
27	PPE worn							
28	Personnel exhibit appropriate work behavior (e.g., no "horseplay")							
29	Personnel avoid walking where not authorized (e.g., under the fuselage, stepping over towbar, or between carts)							

Ramp LOSA Observation Form

		Safety Risk N/A, Safe (S), At Risk (AR), Didn't Observe (DNO)	Threat Code (See Threat Codes List)	Error Code (See Error Codes List)	Threat Effectively Managed Y/N	Error Outcome 1.Inconsequential 2.Undesired state 3.Additional error 4.Do not know	Threat/Error Remarks	General Remarks
30	All traffic regulation procedures followed							
Describe the threat(s). How did the crew manage or mismanage the threat(s)?								
Describe the crew error(s) and associated undesired aircraft states.								
Comments - Good or bad (Please provide examples.)								

Ramp LOSA Observation Forms: DOWNLOADING (2)

Observation Number: _____

Did not observe this section

		Safety Risk N/A, Safe (S), At Risk (AR), Didn't Observe (DNO)	Threat Code (See Threat Codes List)	Error Code (See Error Codes List)	Threat Effectively Managed Y/N	Error Outcome 1.Inconsequential 2.Undesired state 3.Additional error 4.Do not know	Threat/Error Remarks	General Remarks
Beltloader, Cargo, & Baggage								
1	Beltloader approach procedures followed							
2	Beltloader positioning procedures followed							
3	Cargo door/sills/locks checked prior to GSE approaching A/C (e.g., frame, sill, depressor strips)							
4	GSE operated properly (e.g., speed, safety zones, reckless)							
5	Baggage/package, including specials, properly handled							
6	All cargo properly transported							
7	Cargo hold/handling systems visually checked for damage after downloading							
8	If A/C left unattended all security procedures followed							
Container & Container Loader								
9	Container loader approach procedures followed							
10	Container loader positioning procedures followed							
11	Container loader (main deck) approach procedures followed							
12	Container loader (main deck) positioning procedures followed							
13	Loader/ULD operating procedures followed							
14	Dolly ULD locks checked during offload							

Ramp LOSA Observation Form

		Safety Risk N/A, Safe (S), At Risk (AR), Didn't Observe (DNO)	Threat Code (See Threat Codes List)	Error Code (See Error Codes List)	Threat Effectively Managed Y/N	Error Outcome 1.Inconsequential 2.Undesired state 3.Additional error 4.Do not know	Threat/Error Remarks	General Remarks
15	Dolly locks are properly set prior to approach to container loader							
Personnel								
16	PPE worn							
17	Personnel exhibit appropriate work behavior (e.g., no "horseplay")							
18	Personnel use correct manual handling, ergonomics (e.g., proper lifting techniques)							
19	Personnel avoid walking where not authorized (e.g., under the fuselage, stepping over towbar, or between carts)							
20	All traffic regulations followed							
Describe the threat(s). How did the crew manage or mismanage the threat(s)?								
Describe the crew error(s) and associated undesired aircraft states.								
Comments – Good or bad (Please provide examples.)								

Ramp LOSA Observation Forms: LAVATORY/POTABLE WATER SERVICE (3)

Observation Number: _____

Did not observe this section

		Safety Risk N/A, Safe (S), At Risk (AR), Didn't Observe (DNO)	Threat Code (See Threat Codes List)	Error Code (See Error Codes List)	Threat Effectively Managed Y/N	Error Outcome 1.Inconsequential 2.Undesired state 3.Additional error 4.Do not know	Threat/Error Remarks	General Remarks
Lavatory Service								
1	Lavatory vehicle operating procedures followed							
2	Lavatory servicing procedures followed							
Lavatory Personnel								
3	PPE worn							
4	Personnel exhibit appropriate work behavior (e.g., no "horseplay")							
5	Personnel use correct manual handling, ergonomics (e.g., proper lifting techniques)							
6	Personnel avoid walking where not authorized (e.g., under the fuselage, stepping over towbar, or between carts)							
7	All traffic regulation procedures followed							
Potable Water Service								
8	Water vehicle operating procedures followed							
9	Water servicing procedures followed							
10	Potable water units kept away from lavatory units or other sources of contamination							
Potable Water Personnel								
11	PPE worn							
12	Personnel exhibit appropriate work behavior (e.g., no "horseplay")							

Ramp LOSA Observation Form

		Safety Risk N/A, Safe (S), At Risk (AR), Didn't Observe (DNO)	Threat Code (See Threat Codes List)	Error Code (See Error Codes List)	Threat Effectively Managed Y/N	Error Outcome 1.Inconsequential 2.Undesired state 3.Additional error 4.Do not know	Threat/Error Remarks	General Remarks
13	Personnel use correct manual handling, ergonomics (e.g., proper lifting techniques)							
14	Personnel avoid walking where not authorized (e.g., under the fuselage, stepping over towbar, or between carts)							
15	All traffic regulation procedures followed							

Describe the threat(s). How did the crew manage or mismanage the threat(s)?

Describe the crew error(s) and associated undesired aircraft states.

Comments – Good or bad (Please provide examples.)

Ramp LOSA Observation Forms: CATERING (4)

Observation Number: _____

Did not observe this section

		Safety Risk N/A, Safe (S), At Risk (AR), Didn't Observe (DNO)	Threat Code (See Threat Codes List)	Error Code (See Error Codes List)	Threat Effectively Managed Y/N	Error Outcome 1.Inconsequential 2.Undesired state 3.Additional error 4.Do not know	Threat/Error Remarks	General Remarks
Catering								
1	Catering truck approach procedures followed							
2	Catering truck positioning procedures followed							
3	Catering truck operating procedures followed							
4	Engine inlet plugs used as required							
5	Catering truck removal procedures followed							
6	Catering truck is free of FOD; any FOD/garbage dropped on ramp removed							
7	Truck operated safely (e.g., speed, safety zones, reckless)							
8	Truck properly configured prior to removing from A/C							
Personnel								
9	PPE worn							
10	Personnel exhibit appropriate work behavior (e.g., no "horseplay")							
11	Personnel use correct manual handling, ergonomics (e.g., proper lifting techniques)							
12	Personnel avoid walking where not authorized (e.g., under the fuselage, stepping over towbar, or between carts)							
13	All traffic regulation procedures followed							

CATERING (4)

Describe the threat(s). How did the crew manage or mismanage the threat(s)?

Describe the crew error(s) and associated undesired aircraft states.

Comments – Good or bad (Please provide examples.)

Ramp LOSA Observation Forms: CLEANING (5)

Observation Number: _____

Did not observe this section

		Safety Risk N/A, Safe (S), At Risk (AR), Didn't Observe (DNO)	Threat Code (See Threat Codes List)	Error Code (See Error Codes List)	Threat Effectively Managed Y/N	Error Outcome 1.Inconsequential 2.Undesired state 3.Additional error 4.Do not know	Threat/Error Remarks	General Remarks
Cleaning								
1	Cleaning vehicles approach procedures followed							
2	Personnel pay attention to operating A/C beacons							
3	Cleaning vehicles positioning procedures followed							
4	Cleaning vehicles operating procedures followed							
5	All cabin cleaning safety procedures (e.g., biohazard, needle sticks) followed							
6	Cabin personnel support a FOD-free ramp (e.g., pick up FOD)							
7	A/C door(s) operational procedures followed							
Personnel								
8	PPE worn							
9	Personnel exhibit appropriate work behavior (e.g., no "horseplay")							
10	Personnel use correct manual handling, ergonomics (e.g., proper lifting techniques)							
11	Personnel avoid walking where not authorized (e.g., under the fuselage, stepping over towbar, or between carts)							
12	All traffic regulation procedures followed							

CLEANING (5)

Describe the threat(s). How did the crew manage or mismanage the threat(s)?

Describe the crew error(s) and associated undesired aircraft states.

Comments – Good or bad (Please provide examples.)

Ramp LOSA Observation Forms: FUELING (6)

Observation Number: _____

Did not observe this section

		Safety Risk N/A, Safe (S), At Risk (AR), Didn't Observe (DNO)	Threat Code (See Threat Codes List)	Error Code (See Error Codes List)	Threat Effectively Managed Y/N	Error Outcome 1.Inconsequential 2.Undesired state 3.Additional error 4.Do not know	Threat/Error Remarks	General Remarks
--	--	--	---	---	--	---	-----------------------------	------------------------

Fuel

1	Fuel truck approach procedures followed							
2	Fuel truck positioning procedures followed							
3	Fuel truck operating procedures followed							
4	Fueling apparatus operating procedures followed							
5	Fueling clear zone requirements followed							
6	Post fueling inspection walkaround completed							

Personnel

7	PPE worn							
8	Personnel exhibit appropriate work behavior (e.g., no "horseplay")							
9	Personnel use correct manual handling, ergonomics (e.g., proper lifting techniques)							
10	Personnel avoid walking where not authorized (e.g., under the fuselage, stepping over towbar, or between carts)							
11	All traffic regulation procedures followed							

Describe the threat(s). How did the crew manage or mismanage the threat(s)?

Ramp LOSA Observation Form

Describe the crew error(s) and associated undesired aircraft states.

Comments – Good or bad (Please provide examples.)

Ramp LOSA Observation Forms: UPLOADING (7)

Observation Number: _____

Did not observe this section

		Safety Risk N/A, Safe (S), At Risk (AR), Didn't Observe (DNO)	Threat Code (See Threat Codes List)	Error Codes (See Error Codes List)	Threat Effectively Managed Y/N	Error Outcome 1.Inconsequential 2.Undesired state 3.Additional error 4.Do not know	Threat/Error Remarks	General Remarks
Beltloader, Cargo, & Baggage								
1	Ramp free of any items that could interfere with the safe operation of GSE or cause FOD							
2	Beltloader operating procedures followed							
3	Beltloader positioning procedures followed							
4	Beltloader removal procedures followed							
5	All traffic regulation procedures followed							
6	Baggage/package, including specials, properly handled							
7	All cargo is properly transported							
8	Cargo loadplan available and followed							
9	Cargo hold/handling systems visually checked for damage before uploading							
10	Cargo door/sills/locks check observed							
11	All required locks set/cargo nets/barriers installed and secured before cargo doors are closed (e.g., 2-inch ceiling cleared)							
12	Cargo door closure procedures followed							
Container & Container Loader								
13	Container loader approach procedures followed							
14	Container loader positioning procedures followed							

Ramp LOSA Observation Form

		Safety Risk N/A, Safe (S), At Risk (AR), Didn't Observe (DNO)	Threat Code (See Threat Codes List)	Error Code (See Error Codes List)	Threat Effectively Managed Y/N	Error Outcome 1.Inconsequential 2.Undesired state 3.Additional error 4.Do not know	Threat/Error Remarks	General Remarks
15	Container loader removal procedures followed							
16	Container loader (main deck) approach procedures followed							
17	Container loader (main deck) positioning procedures followed							
18	Container loader (main deck) removal procedures followed							
Personnel								
19	PPE worn							
20	Personnel exhibit appropriate work behavior (e.g., no "horseplay")							
21	Personnel use correct manual handling, ergonomics (e.g., proper lifting techniques)							
22	Personnel avoid walking where not authorized (e.g., under the fuselage, stepping over towbar, or between carts)							
Describe the threat(s). How did the crew manage or mismanage the threat(s)?								

Ramp LOSA Observation Form

Describe the crew error(s) and associated undesired aircraft states.

Comments – Good or bad (Please provide examples.)

Ramp LOSA Observation Forms: DEPARTURE (8)

Observation Number: _____

Did not observe this section

		Safety Risk N/A, Safe (S), At Risk (AR), Didn't Observe (DNO)	Threat Code (See Threat Codes List)	Error Code (See Error Codes List)	Threat Effectively Managed Y/N	Error Outcome 1.Inconsequential 2.Undesired state 3.Additional error 4.Do not know	Threat/Error Remarks	General Remarks
Pre-Departure								
1	Ramp free of any items that could interfere with the safe operation of GSE or cause FOD							
2	Pre-departure walkaround performed							
3	Steering by-pass pin installed and towbar hooked up							
4	Correct size of tractor and towbar used for pushback							
5	Pushback briefing held							
6	Ground power removal procedures followed							
7	Conditioned air removal procedures followed							
8	Pre-pushback procedures followed							
Passenger Loading Bridge								
9	Confirmed cabin secure before closing A/C door							
10	Passenger doors closed and secured properly							
11	Loading bridge procedures followed							
Passenger/Crew Stairs								
12	Confirm cabin is secured before closing A/C door							
13	Passenger doors are closed and secured properly							
14	Passenger/crew stairs procedures followed							

Ramp LOSA Observation Form

		Safety Risk N/A, Safe (S), At Risk (AR), Didn't Observe (DNO)	Threat Code (See Threat Codes List)	Error Code (See Error Codes List)	Threat Effectively Managed Y/N	Error Outcome 1.Inconsequential 2.Undesired state 3.Additional error 4.Do not know	Threat/Error Remarks	General Remarks
Departure								
15	Agent remains at a safe position on the bridge until the A/C clears the gate							
16	If headset inoperative, prior to A/C departure, flight crew briefed about the use of hand signals during departure pushback							
17	Marshalling/Wingwalking procedures followed							
18	Pushback procedures followed							
19	Steering by-pass pin & towbar disconnect procedure followed							
20	Final dispatch/release procedures followed							
Return & Housekeeping								
21	Marshaller/Wingwalkers conducted a FOD walk while walking back into the gate area							
22	Gate area verified ready for next arrival							
23	Crew debrief as necessary							
Personnel								
24	PPE worn							
25	Personnel exhibit appropriate work behavior (e.g., no "horseplay")							
26	Personnel use correct manual handling, ergonomics (e.g., proper lifting techniques)							
27	Personnel avoid walking where not authorized (e.g., under the fuselage, stepping over towbar, or between carts)							

Ramp LOSA Observation Form

DEPARTURE (8)

Describe the threat(s). How did the crew manage or mismanage the threat(s)?

Describe the crew error(s) and associated undesired aircraft states.

Comments – Good or bad (Please provide examples.)

Ramp LOSA Observation Forms: MAINTENANCE (9)

Observation Number: _____

Did not observe this section

		Safety Risk N/A, Safe (S), At Risk (AR), Didn't Observe (DNO)	Threat Code (See Threat Codes List)	Error Code (See Error Codes List)	Threat Effectively Managed Y/N	Error Outcome 1.Inconsequential 2.Undesired state 3.Additional error 4.Do not know	Threat/Error Remarks	General Remarks
Maintenance								
1	Mx GSE approach procedures followed							
2	Mx GSE positioning procedures followed							
3	Mx GSE operating procedures followed							
4	Mx GSE is free of FOD; any FOD in work areas removed							
5	Proper communication of Mx activities with affected personnel							
Personnel								
6	PPE worn							
7	Personnel exhibit appropriate work behavior (e.g., no "horseplay")							
8	Personnel use correct manual handling, ergonomics (e.g., proper lifting techniques)							
9	Personnel avoid exposure to jet blast/engine ingestion							
10	Personnel avoid walking where not authorized (e.g., under the fuselage, stepping over towbar, or between carts)							
11	All traffic regulation procedures followed							

Ramp LOSA Observation Form

MAINTENANCE (9)

<p>Describe the threat(s). How did the crew manage or mismanage the threat(s)?</p>
<p>Describe the crew error(s) and associated undesired aircraft states.</p>
<p>Comments – Good or bad (Please provide examples.)</p>

Ramp LOSA Observation Forms: DE-ICING/ANTI-ICING (10)

Observation Number: _____

Did not observe this section

		Safety Risk N/A, Safe (S), At Risk (AR), Didn't Observe (DNO)	Threat Code (See Threat Codes List)	Error Code (See Error Codes List)	Threat Effectively Managed Y/N	Error Outcome 1.Inconsequential 2.Undesired state 3.Additional error 4.Do not know	Threat/Error Remarks	General Remarks
De-icing								
1	De-ice/anti-ice truck approach procedures followed							
2	De-ice/anti-ice truck positioning procedures followed							
3	De-ice/anti-ice truck operating procedures followed							
Personnel								
4	PPE Worn							
5	Communication between bucket and cab established (e.g., headset worn)							
6	Personnel exhibit appropriate work behavior (e.g., no "horseplay")							
7	Personnel use correct manual handling, ergonomics (e.g., proper lifting techniques)							
8	Personnel avoid walking where not authorized (e.g., under the fuselage, stepping over towbar, or between carts)							
9	All traffic regulation procedures followed							

Ramp LOSA Observation Form

DE-ICING/ANTI-ICING (10)

<p>Describe the threat(s). How did the crew manage or mismanage the threat(s)?</p>
<p>Describe the crew error(s) and associated undesired aircraft states.</p>
<p>Comments – Good or bad (Please provide examples.)</p>

Ramp LOSA Observation Forms: PILOT WALK-AROUND (11)

Observation Number: _____

Did not observe this section

		Safety Risk N/A, Safe (S), At Risk (AR), Didn't Observe (DNO)	Threat Code (See Threat Codes List)	Error Code (See Error Codes List)	Threat Effectively Managed Y/N	Error Outcome 1.Inconsequential 2.Undesired state 3.Additional error 4.Do not know	Threat/Error Remarks	General Remarks
Pilot								
1	PPE worn							
2	Personnel exhibit appropriate work behavior (e.g., situational awareness)							
3	Personnel pay attention to operating A/C beacons and A/C systems							
4	Personnel avoid walking where not authorized (e.g., under the fuselage, stepping over towbar, or between carts)							
Describe the threat(s). How did the crew manage or mismanage the threat(s)?								
Describe the crew error(s) and associated undesired aircraft states.								
Comments – Good or bad (Please provide examples.)								

Ramp LOSA Observation Forms: ADDITIONAL THREAT(S) and ERROR(S)

Observation Number: _____

Did not observe this section

Describe any additional threat(s) that you observed but were not directly related to the task upon which you focused. How did the crew manage or mismanage the threat(s)?

Describe the crew error(s) and associated undesired aircraft states that you observed but were not directly related to the task upon which you focused.

Comments - Good or bad (Please provide examples)

Acronyms

A/C – Aircraft

FOD – Foreign Object Debris

GSE – Ground Safety Equipment

GPU – Ground Power Unit

LOSA – Line Operation Safety Audit

Mx – Maintenance

PPE – Personnel Protective Equipment

ULD – Unit Load Device