

WPR22FA345

AIR TRAFFIC CONTROL

Group Chair's Factual Report - Attachment 5

Administrative and Training Documents

August 9, 2024

AIRCRAFT ACCIDENT/INCIDENT PRELIMINARY NOTICE

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

FROM (Office of origin):

LOS ANGELES ARTCC

TO:

NW ROC

DATE (UTC):

9/13/22

TIME (UTC):

2146

CODE

(First words of text) **AIRCRAFT ACCIDENT/INCIDENT PRELIMINARY NOTICE-Part 1**

A

1. INFORMATION FROM:

COCONINO SHERIFF

B

1. REGISTRATION NO:

N43605

2. MAKE AND MODEL:

PIPER PA-46-310P

3. OPERATOR OF AIRCRAFT:

WILSON CHAD ALLEN

4. TYPE OF ACTIVITY (Air taxi, instruction, pleasure, aerial appl., business, executive, sightseeing, etc.) IF KNOWN:

UNK

5. BRIEF DESCRIPTION OF CIRCUMSTANCES SURROUNDING OCCURRENCE:

N43605 VFR/175 ENTERED DISPLAYED WEATHER, REVERSED COURSE AND ENTERED INTO AN UNCONTROLLED SPIN. AIRCRAFT WRECKAGE LOCATED BY COCONINO SHERIFF DEPT @ 35.48,309N, -112.72,019W.

6. WEATHER DATA:

CONVECTIVE SIGMET 47W WAS VALID UNTIL 1955Z

7. AIRCRAFT DAMAGE: A ☒ DESTROYED B ☐ SUBSTANTIAL C ☐ MINOR D ☐ FIRE E ☐ NONE

C

OCCUPANTS – INDICATE INJURIES: FATAL, SERIOUS, MINOR, NONE

1. NAME AND ADDRESS OF PILOT/INJURY:

WILSON CHAD ALLEN/FATAL

[REDACTED]

WICHITA FALLS, TX

2. NAMES OF CREW/INJURIES:

UNK

3. NO. OF PASSENGERS/

INJURIES: 1

FATAL

D

1. LOCATION OF OCCURRENCE (Nearest city, town, and state) (Give route if overdue or missing):

GRAND CANYON, AZ

E

1. UTC DATE AND UTC TIME OF OCCURRENCE:

9/13/22 1800Z

F

1. INFORMATION ON COVERAGE OF OCCURRENCE BY FAA, NTSB, OTHER:

FSDO WAUGH, NTSB SIMPSON & SWICK

G

FAA AIR TRAFFIC SERVICES SUMMARY OF FLIGHT HANDLING

1A. LAST DEPARTURE POINT:

ABQ

1B. UTC DATE AND UTC TIME:

September 13, 2022

UNK

1C. INTENDED DESTINATION:

HND

2. LAST RADIO CONTACT/POSITION AND/OR RADAR POSITION:

1755Z

3. LAST ATC CONTROL CLEARANCE:

1755Z

4. FLIGHT PLAN:

A ☐ IFR

B ☒ VFR

C ☐ NONE

D ☐ UNKNOWN

5. PILOT BRIEFING:

A ☐ YES

B ☐ NO

C ☒ UNKNOWN

6. OTHER:

RECEIVED AT:

DELIVERED TO:

TIME:

RECEIVED VIA:

A ☐ IN PERSON

B ☐ RADIO

C ☐ TELEPHONE

RECEIVED BY (Signature and Title):

NOTE: Part 2

A ☐ ON OTHER SIDE

B ☐ ON SEPARATE FORM

C ☐ NOT REQUIRED

AIRCRAFT ACCIDENT/INCIDENT PRELIMINARY NOTICE

FROM (<i>Office of origin</i>):	TO:	DATE (UTC):	TIME (UTC):
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CODE	(<i>First words of text</i>) AIRCRAFT ACCIDENT/INCIDENT PRELIMINARY NOTICE-Part 2
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H

1. REGISTRATION NO:	2. MAKE AND MODEL:	3. UTC DATE OF ACCIDENT/INCIDENT:
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I

STATUS OF POTENTIALLY INVOLVED AIRWAY FACILITIES
(CHECK ☒ MARK STATUS AS INDICATED BY MONITOR OR REPORTED BY A.F. TECHNICIAN)

1. FACILITY TYPE:	2. LOCATION RUNWAY IDENTIFIER:	3. JUST PRIOR TO OCCURRENCE:		4. AT TIME OF OCCURRENCE:		5. FLIGHT INSPECTION:			
		A NORMAL	B ABNORMAL OR OUT OF SERVICE	A NORMAL	B ABNORMAL OR OUT OF SERVICE	CON- DUCTED		SATIS- FACTORY	
						A YES	B NO	C YES	D NO

6. REMARKS (*Explain briefly any entry above that is check marked as abnormal, or out of service*):

J

STATUS REPORT RECEIVED FROM PILOTS OR OTHERS

List below any facilities reported by pilots or other persons as either operating normally, abnormally, or out of service just prior to, at the time of, or immediately following the time of the accident.

1. FACILITY TYPE:	2. LOCATION/ RUNWAY IDENTIFIER:	3. IDENTIFICATION NO. OF AIRCRAFT AND NAME OF PERSON FROM WHOM REPORT WAS RECEIVED:	4. STATUS REPORT (<i>Normal, abnormal, out of service, etc.</i>):	5. TIME OBSERVATION (UTC):

6. REMARKS (*Briefly describe the nature of any reported abnormally, reason for being out of service, etc.*):

RECEIVED AT:	DELIVERED TO:	TIME:
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RECEIVED VIA: A ☐ IN PERSON B ☐ RADIO C ☐ TELEPHONE	RECEIVED BY (<i>Signature and Title</i>):
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NOTE: Part 1

A ☐ ON OTHER SIDE B ☐ ON SEPARATE FORM

SS KZLAZRZX
131825 KZLAZRZA
ALNOT N43605
FLIGHT RULES.....VFR
AIRCRAFT TYP.....PA46
BEACON CODE.....0704
ALTITUDE.....UNKN
AIRSPEED.....UNKN
LAST KNOWN POSITION (LAT/LONG).....3529N/11237W
TIME LAST KNOWN POSITION.....1801
HOW DETERMINED.....UNKN
TIME OF LAST TRANSMISSION RCVD.....UNKN
FREQUENCY.....
POSITION.....
DEPARTURE POINT.....KABQ
DEPARTURE DATE.....//
PROPOSED DEPARTURE TIME.....UNKN
ACTUAL DEPARTURE TIME.....UNKN
DESTINATION.....KHND
ROUTE OF FLIGHT.....UNKN
ESTIMATED TIME OF ARRIVAL.....UNKN
COLOR OF AIRCRAFT.....UNKN
EQUIPMENT.....UNKN
FEXHA.....
PERSONS ON BOARD.....
REMARKS.....
PILOT NAME.....
PILOT ADDRESS.....
TAIL NUMBER.....
REASON AIRCRAFT CONSIDERED OVERDUE...
ADDITIONAL INFORMATION.....NEGATIVE REPLIES REQUESTED

9/13/2022

Corrective Action Plan

Subject: Generated from ZLA#461848 Safety Monitoring Watchlist		
Risk or Hazard		
"QT D" un-pairs datablock from target. Improper use or lack of knowledge of command. No logic override to prompt controller to confirm data-block reassignment.		
Validated Safety Issue(s)		
The QT D command overrides all system pairing when it is entered. SatoriE shows QT D command was entered and un-paired DAL1922's datablock from its target. The datablock was then attached to DAL1832's target. R31 removed DAL1922's datablock from DAL1832's target to 40 South of the ZLA/MZT boundary. DAL1922 datablock was no longer associated with any flight plan data and therefore did not automatically reacquire to DAL1922's target.		
Pertinent Regulations		
Other - ERAM ATM TI6110.100, ERAM R-Side Manual		
Mitigation Plan		
Mitigation 1		
Type Briefing	Level Facility	Target Completion Date ☒ Complete Oct 15, 2021
Details Enter Alert Bulletin into CEDAR outlining the issue and brief workforce on the QT D command function and proper application.		
Monitoring Plan		
Monitoring Item 1		
Type Audit	Level Facility	Target Completion Date ☒ Complete Nov 15, 2021
Details Through MOR and ERAM data search for controllers using the QT D command to validate proper usage is being applied.		
Effectiveness Target (100% Compliance)		
CAP Approval		
☒ Approved ☐ Not Approved Approved By: Kin Lee Approved Date: Sep 20, 2021		
Resolution Approval		
☒ Approved ☐ Not Approved Approved By: Kimberly Lyon Approved Date: Jun 22, 2022		

Corrective Action Plan

Resolution Approval (continued)	
	Additional details CAP approved

Covered Event Review

ZLA-C-2022/09/13-0001

A1. FAC ID			A2. Date UTC (mm/dd/yyyy)								A3. Start Time UTC				A4. End Time UTC				A5. Position
Z	L	A	0	9	1	3	2	0	2	2	1	7	4	1	1	8	1	1	R08
A6. Aircraft #1										A7. Aircraft #2									
Aircraft ID			Aircraft Type/Suffix			IFR/VFR			Aircraft ID			Aircraft Type/Suffix			IFR/VFR				
N43605			PA46/G			VFR													
Individual Performance																			
2. Employee #1																			
Employee									Position					ATSAP Filed					
Buckner, Jasmin M (JF)									R08					Yes					
Explanation Weather issuance to all aircraft except N43605 was non-existent. Weather issued to N43605 was not timely, and was not in compliance with JO 7110.65. Weather deviation phraseology was incorrect and not in compliance with JO 7110.65. Call signs were regularly dropped in subsequent transmissions to multiple aircraft. Controller allowed herself to get conversational. Reports of moderate turbulence were not relayed to other potentially affected aircraft. A known PIREP for Light Rime Icing at FL180 was not relayed to other aircraft, even though the controller acknowledged receipt of the PIREP on the EDST. RADAR Contact Lost was not noted on frequency. OJTI did not intervene in a timely manner. N43605 datablock indicated an exceptional rate, XXXX, NONE, and ultimately went into CST status. N43605 turned 360 several times, unnoticed by the controller.																			
Training																			
1. Were any training issues identified?																			
☒ Yes ☐ No																			
2. Was OJT in progress?																			
☒ Yes ☐ No																			
2.1 What type of trainee was involved?																			
☒ Developmental ☐ CPC-IT ☐ Other																			
3. Was recertification training in progress?																			
☐ Yes ☒ No																			
4. Did the OJTI intervene?																			
☐ Yes ☒ No																			
5. Were any pertinent training/briefing items not received																			
☐ Yes ☒ No																			
6. Were any potential systemic training issues identified?																			
☐ Yes ☒ No																			
Weather																			
1. What were the prevailing weather conditions?																			
☐ IFR ☐ VFR ☒ Other																			
If other, explain Thunderstorms were present throughout the majority of the sector, with weather deviations taking place.																			

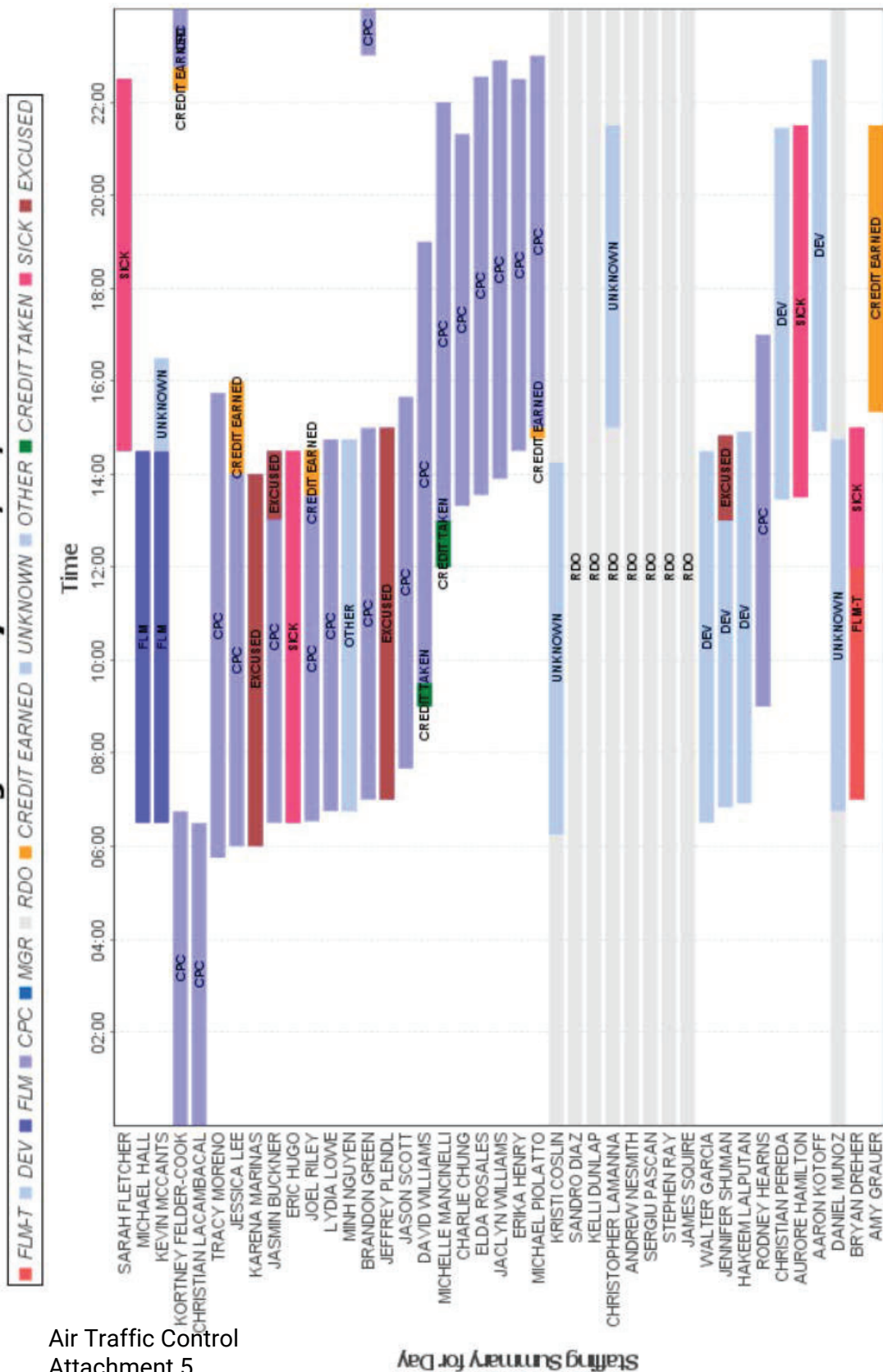
Covered Event Review
ZLA-C-2022/09/13-0001

Weather (continued)
2. Was any pertinent precipitation depicted on the radar? ☒ Yes ☐ No If yes, explain Moderate to extreme precipitation, related to thunderstorm phenomena, was depicted on the radar display.
3. Did LLWAS alert? ☐ Yes ☐ No ☒ N/A
4. Were weather phenomena a factor? ☒ Yes ☐ No ☒ Turbulence ☒ Icing ☒ Thunderstorm ☐ Low Ceilings ☐ Break Conditions ☐ Wind Shear ☐ Other
5. Were any SIGMETs or PIREPs in effect? ☒ Yes ☐ No If yes, explain AIRMETs SIERRA, TANGO, AND ZULU were valid until 2100Z. Convective SIGMET 47W was valid 1955Z. The following PIREP for icing conditions was disseminated and acknowledged by controller: UA /OV GCN280040 /TM 1651 / FL 180 /TP B350 /TA M02 /IC LGT RIME... ZLATMU131717Z/TG
Airspace/Airport
1. Were any airspace/airport issues identified? ☐ Yes ☒ No
Procedures
1. Were any procedural issues identified? ☐ Yes ☒ No
Directives
1. Were any directive issues identified? ☐ Yes ☒ No
Equipment
1. Were any equipment issues identified? ☐ Yes ☒ No
Resource Management
1. Were any resource management issues identified? ☐ Yes ☒ No

Covered Event Review
ZLA-C-2022/09/13-0001

	Additional Comments
	None.
	QC Comments
	N43605 was receiving VFR services into known and displayed convective weather and precipitation. The area of precipitation was called to N43605, though not using proper phraseology, and not in a timely manner. R8 acknowledged a PIREP that noted Light Rime Icing in the vicinity of N43605, but that PIREP was never disseminated to N43605. It appears that N43605 entered the depicted area of precipitation at approximately 1756:35, less than one minute after the area of precipitation was issued to N43605. N43605 was observed changing course, descending at a rapid rate, often with the Exceptional Rate Indicator displayed on the RADAR scope, and ultimately entering CST status. N43605 initiated the change in direction at approximately 1758:28, with the rapid descent at 1759:10, however, R8 controller does not question either until 1803:11, after the aircraft datablock indicated CST status. The controlling demonstrated during this event does not comply with JO7110.65, and does not meet the expectations of ZLA. The OJTI did not intervene until after the event occurred. Controllers are expected to solicit and disseminate PIREPs, as well as issue areas of precipitation in a timely manner, so that aircraft can deviate around the weather areas as appropriate. There were also major phraseology issues throughout the session, and no "RADAR Contact Lost" issued when N43605 went into a CST status. A PIREP for Light Rime Icing in the vicinity of the accident aircraft was not disseminated, nor were reports of moderate turbulence reported by 737 type aircraft or similar.
Review Team	
Trisha Todd Bryan Wollenberg	

Air Traffic Control
Attachment 5





ECV Checklist for ZLA - Los Angeles (Air Route Traffic Control Center)

Scheduled Dates: 17-May-2021 - 07-Jun-2021

ECV Complete Date: 07-Jun-2021

CVT Year: 2021

Primary Evaluator: James O Stark

Secondary Evaluator: William E Hannan

[0 Checklist Comments](#)

Actions

Search ECV ☒ Show ☐ Explanation ICV ☐ Show ☐ Explanation ☒ Mitigation Column
 ECV Rating
 39 of 39 items

				Evaluation Area	ECV		Mitigation Plan?
id	Item	Description	Reference		Rating	Approval	
230	Accident notification checklist. 8020-3	Current form is used and up to date.		External	Noncompliant - Medium	07-Jun-2021	
359	Air Traffic Control Operational Contingency Plans	Air Traffic Managers are responsible to have Operations Contingency Plans (OCPs) in place to respond to events that affect the Operational Contingency Levels (OCLs) of their facility to provide ATC services. Reference: FAA JO 1900.47 Air Traffic Control Operational Contingency Plans a. Ensure that the OCP conforms to the current version of the FAA JO 1900.47	1900.47 Ch 2 Section J; Ch 5 Section C	Operations	Compliant	07-Jun-2021	

id	Item	Description	Reference	Evaluation Area	ECV Rating	Approval	Mitigation Plan?
		Chapter 3, Documentation. b. Complete the annual requirements by December 31 of each calendar year. 1. Ensure that all network support agreements have been reviewed 2. Ensure that a facility ATC Zero exercise is conducted unless an actual ATC Zero or ATC Limited event occurred during the year. 3. Ensure certification of the facility OCP and support procedures in the National OCP Database. 4. Ensure certification of contact information in OCPs in the National OCP Database. c. Ensure the facility has conducted refresher training on the OCP in accordance with FAA JO 3120.4 Air Traffic Technical Training, which includes: 1. Airspace divestment/assumption procedures 2. Use of CPSS information, where applicable 3. Operationally relevant information seen during an exercise or event.					

				Evaluation Area	ECV		Mitigation Plan?
id	Item	Description	Reference		Rating	Approval	
11	Altimeter Issued and Requirements	Altimeter issued in accordance with prescribed procedures	7110.65 Ch 2 Sec 7; 7210.3 par 2-10-3 and 2-10-4	Operations	Compliant	07-Jun-2021	
13	Altitude Assignment and Verification	Controllers apply standardized application of procedures, assigning and verifying altitudes and standard phraseology	7110.65 ch 4 sec 5	Operations	Compliant	07-Jun-2021	
32	Call Sign Usage	Aircraft identification and similar sounding call signs are handled as required	7110.65 par 2-4-15 and 2-4-20	Operations	Noncompliant - Medium	07-Jun-2021	
34	Clearances	Controllers use standardized manual and automated clearance formats and phraseology	7110.65 ch 4 sec 2 and 4; par 4-3-4	Operations	Compliant	07-Jun-2021	
40	Coordinate Use of Airspace	Controllers ensure necessary coordination is accomplished	7110.65 par 2-1-14 and 2-1-16	Operations	Compliant	07-Jun-2021	
44	Data Blocks	Controllers display and retain data blocks as required	7110.65 par 5-3-8	Operations	Compliant	07-Jun-2021	
239	Facility Directives Repository	Ensures current LOAs, SOPs, and FOs are posted, revised and outdated/cancelled documents are removed.		External	Noncompliant - Low	07-Jun-2021	

				Evaluation Area	ECV		Mitigation Plan?
id	Item	Description	Reference		Rating	Approval	
278	Facility Occupant Emergency plan/ Emergency Action Plan	Review procedures for local coordination between Air Traffic, Technical Operations, Facility Security, Emergency Services and bargaining unit members during and after events which necessitate a facility evacuation. Review language requiring annual familiarization tour for local Emergency Services and facilitation of discussions surrounding contingency activities		External	Noncompliant - Low	07-Jun-2021	
66	Hazardous Weather Broadcast Procedures and Phraseology	Controllers/Specialists use correct procedures and phraseology for HIWAS broadcast	7110.65 par 2-6-6	Operations	Compliant	07-Jun-2021	
318	ICV/ECV Findings	ICV results are comparable to ECV findings		External	Noncompliant - Low	07-Jun-2021	
68	Interphone Format	Standard format is used on interphone	7110.65 par 2-4-12 and 2-4-13	Operations	Noncompliant - Low	07-Jun-2021	
79	Merging Target Procedures	Controllers apply merging target procedures as required	7110.65 par 5-1-8	Operations	Compliant	07-Jun-2021	
95	NOTAM Handling	NOTAMs are included on checklists and status information areas and briefed to personnel	7210.3 6-3-4d.3; 7930.2 par 1-3-1a and b; 2-2-3; 3-2-1 and 3-2-2	Operations	Compliant	07-Jun-2021	

				Evaluation Area	ECV		Mitigation Plan?
id	Item	Description	Reference		Rating	Approval	
107	Operational Currency	Operational and staff personnel maintain currency as required	7210.3 Ch 2; Section 3	Operations	Compliant	07-Jun-2021	
108	Operational Oversight	FLM/CIC/OS monitors operation, anticipates traffic flow, manages and eliminates distractions, and takes appropriate actions	7210.3 par 2-6-1; 2-6-2; 2-6-5a and 2-6-6	Operations	Compliant	07-Jun-2021	
188	Operational Reference Material	Information areas, position binders, etc., are current and accurate.		External	Noncompliant - Low	07-Jun-2021	
116	PIREP Information	Controllers solicit, broadcast, and disseminate PIREPs, as required, using prescribed phraseology	7110.65 par 2-6-2	Operations	Compliant	07-Jun-2021	
117	Point Out Procedures	Controllers use point out procedures and phraseology either manually or via an automated method, as required	7110.65 par 5-4-3 and 5-4-7	Operations	Compliant	07-Jun-2021	
120	Position Relief Briefings	Controllers/Specialists ensure position briefings are completed and recorded, and checklists are used	7110.65 Appendix A; 7210.3 par 2-2-4 and 2-2-6	Operations	Noncompliant - Medium	07-Jun-2021	Mitigation
128	Quality Control Monitoring	Quality Control Operational Skill assessments (QCOSA) are performed in accordance with applicable directive and include identified emphasis items (EI) as required	7210.634 ch 3	Quality Control	Noncompliant - Medium	07-Jun-2021	

				Evaluation Area	ECV		Mitigation Plan?
id	Item	Description	Reference		Rating	Approval	
129	Quality Control Programs	Quality Control Checks (QCC) and Quality Control Validations (QCV) are completed as required	7210.634 ch 6	Quality Control	Noncompliant - Medium	07-Jun-2021	
132	Radar Identification Methods	Controllers use specified radar identification procedures and phraseology	7110.65 par 5-3-2 through 5-3-7	Operations	Compliant	07-Jun-2021	
135	Radio Communication	Controllers/Specialists use standard radio transmission format and phraseology and apply correct readback/hearback procedures and phraseology	7110.65 par 2-1-17d; 2-4-3; 2-4-8 and 2-4-14 through 2-4-22	Operations	Noncompliant - Low	07-Jun-2021	Mitigation
254	Read & Initial	Facility ensures all operation personnel review and acknowledge such review, information deemed necessary prior to beginning each shift.		External	Noncompliant - Low	07-Jun-2021	
136	Refresher Training	Each facility must establish and comply with a written annual refresher training program	3120.4 Ch 4 par 5b and Appendix A	Training	Noncompliant - High	07-Jun-2021	
142	Safety Alerts	Controllers apply safety alert requirements and phraseology	7110.65 par 2-1-6	Operations	Not Observed	07-Jun-2021	
143	Safety Management System (SMS) Implementation and Maintenance	The facility has established a safety risk management (SRM) process as defined by the SMS ? The facility is aware of and following the policies (Order 1100.161, Order JO 1000.37 and Service Unit SMS orders) for		Operations	Compliant	07-Jun-2021	

id	Item	Description	Reference	Evaluation Area	ECV Rating	Approval	Mitigation Plan?
		implementing the SMS ? The SMS is implemented and sufficient resources are allocated ? All personnel complete the appropriate SMS training based on their area of expertise ? The facility is following the SRM process as required by Order 1100.161 and Order JO 1000.37 and as identified in the SMS Manual ? Results of the SRM process are documented in an SRM Decision Memo or an SRM Document ? All identified hazards have been entered into a database provided by ATO Office of Safety ? All identified hazards with associated initial medium and high safety risk are tracked and monitored to verify that the mitigations used to manage the risk are effectively reducing the safety risk to an acceptable level					
353	Significant Event Follow-Up	Activities/actions following a significant event are accomplished as identified.		External	Noncompliant - Medium	07-Jun-2021	

				Evaluation Area	ECV		Mitigation Plan?
id	Item	Description	Reference		Rating	Approval	
268	SOP/LOA Reviews	Review LOAs/SOPs for accuracy and completeness of data annually and as needed.	7210.3 paras 2-1-2; 2-1-3; 2-1-4; 2-1-5; 2-1-6; 2-2-14; 3-3-2; 4-3-3; 4-3-5; 4-3-6	Operations	Noncompliant - Low	07-Jun-2021	
150	Special Use Airspace Procedures	Controllers use standard special use airspace procedures: separation standards, clearance in and out, and VFR-on-top	7110.65 ch 9 sec 3	Operations	Compliant	07-Jun-2021	
152	Speed Adjustments	Controllers use standard speed control application, methods, minima, and phraseology	7110.65 ch 5 sec 7	Operations	Compliant	07-Jun-2021	
155	Supplemental Training	Training provided prior to effective date of new/revised procedures, regulations or equipment, etc.	3120.4 Ch 4 par 5C and Appendix A	Training	Noncompliant - High	07-Jun-2021	
157	Systemic Issue Reviews (SYSIR)	SYSIRs are conducted when issues that have potential system impact have been identified and are completed in accordance with applicable directive	7210.634 par 4-5	Quality Control	Noncompliant - Low	07-Jun-2021	
164	Traffic Advisories	Controllers apply traffic advisories as required	7110.65 par 2-1-21	Operations	Compliant	07-Jun-2021	

				Evaluation Area	ECV		Mitigation Plan?
id	Item	Description	Reference		Rating	Approval	
259	Training and Proficiency Record (FAA Form 3120-1)	All entries, including the employee's initials and certification signature, must be recorded on FAA Form 3120-1 or the TRAX computer program no later than 120 calendar days following the month in which the training was completed. By initialing or signing, the employee acknowledges that the training recorded has been provided. Operating initials must be used. Certified TRAX records must be retained in section IX of the employee's FAA Form 3120-1.		External	Informational	07-Jun-2021	
184	Weather Familiarization	Controllers/Specialists become familiar with pertinent weather information when coming on duty, and stay aware of current weather information needed to perform ATC duties	7110.65 par 2-6-1	Operations	Noncompliant - Medium	07-Jun-2021	
187	Weather/Chaff Services	Controllers use correct procedures and phraseology for reporting weather and chaff information to pilots and other affected facilities	7110.65 par 2-6-4	Operations	Compliant	07-Jun-2021	

39 of 39 items

Federal Aviation Administration

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[CVT app 1.4.17](#)



Federal Aviation Administration

Memorandum

Date:

To: Lisa Jones, Manager, Los Angeles Air Route Traffic Control Center,
WSA-ZLA

From: Robert Novia, Manager, Quality Control Group, Western Service Center,
AJV-W1
[REDACTED]

Subject: External Compliance Verification

In accordance with Air Traffic Organization (ATO) Quality Control Joint Order (JO) 7210.634, the Western Service Center (WSC), Quality Control Group (QCG), Operational Evaluations team conducted an external compliance verification (ECV) at Los Angeles (ZLA) Air Route Traffic Control Center (ARTCC) on May 17 - 28, 2021.

This ECV was directed by the Western Service Area (WSA), Director of Operations and QCG in response to data-supported potential risk including: safety alerts, traffic advisories, training, current and past Top 5 items, and quality control (QC) functions. The QCG team conducted direct operational monitoring for a total of 29 hours.

The final ECV checklist contained 39 items; One (1) item was rated not observed, 19 were rated compliant and one (1) item was rated as informational. In addition, 18 items were rated non-compliant; nine (9) low risk, seven (7) medium risk and two (2) high risk.

As required by JO 7210.34 Air Traffic Organization (ATO) Quality Control, the facility developed a corrective action plan and obtained Director of Operations concurrence through the QCG. To close the item, the facility must document the processes used to ensure the effectiveness of the mitigation and enter it into the Compliance Verification Tool (CVT). The ECV evaluators rated the following items high risk non-compliant:

1. **Refresher Training:** ZLA 3120.2 does not conform to N3120.4 by including required refresher training items. Additionally, TRAX records show no completed refresher training from the end of the pandemic exemption period January 1, 2021 - present. The facility has developed a plan to focus on refresher training however; the lack of any refresher training coupled with controllers returning to work and traffic volume and workload climbing presents a potential high risk if not mitigated swiftly.

Recommendations:

- a. Review JO3120.4 for National Refresher Training requirements and develop a facility schedule to ensure that all required items are trained.
 - b. Develop a facility tracking and monitoring process for refresher training and assign responsibility for such to the appropriate party in the facility training order.
2. **Supplemental Training:** A review of supplemental training documentation in TRAX revealed that only a handful of personnel received the briefing on the July 16, 2020 implementation of Change two (2) to both N7110.65Y and N7210.3BB, while no personnel have received the briefing on Change three (3) of both Orders that was effective on December 31, 2020. Among other items, Change three (3) removes the previous prohibition on issuing traffic alerts to aircraft responding to a Traffic Alert and Collision Avoidance System (TCAS) Resolution Advisory (RA), thus enhancing controller's ability to resolve imminent traffic conflicts during the most critical situations.

Recommendations:

- a. Enroll appropriate personnel in the FAA Order and Notice update notification service.
- b. Develop a facility tracking and monitoring process for supplemental training and assign responsibility for such to the appropriate party in the facility training order.

The ECV evaluators rated the following checklist items medium risk non-compliant. The facility must develop corrective action and enter the plan in the CVT on or before June 21, 2021. To close the item, document the processes used to ensure the effectiveness of the mitigation.

1. **Accident Notification Checklist:** A review of 8020-3s located at the operations managers' desk revealed that contact names, phone numbers are outdated, and the form is not the current version.

Recommendations:

- a. Review all 8020-3s in the facility to ensure current information is on the current version of the form.
 - b. Assign periodic review process to appropriate personnel in the facility.
2. **Call Sign Usage:** Call signs are routinely completely dropped during communications with aircraft after the initial contact. Many times this is during

transmissions containing control instructions. This deficiency was widely observed throughout the facility.

Recommendations:

- a. Supervisors perform appropriate individual performance management (IPM) when deficiencies are observed.
 - b. Identify call sign usage as a special emphasis item for quality control operational skills assessments (QC OSA).
3. **Position Relief Briefings (PRB):** ZLA's standard operating procedures (SOP) directs that a checklist for the briefing will be provided, however a uniform checklist for each area does not exist. Each sector also does not have a checklist outside of the incomplete PRB checklist on the radarscope. What is occurring on the operational floor is not matching what is stated in the SOP. For example, the SOP states, "During the PRB, the En Route Information Display System (ERIDS) home page must show all the Notice to Airmen (NOTAMs) to be briefed". This is accomplished by selecting the "Home" button and then selecting the "Show All" tab, which during our many hours of operational monitoring did not occur.

Recommendations:

- a. Update PRB checklists and procedures to ensure uniformity and compliance with the SOP.
 - b. Supervisors perform appropriate IPM when deficiencies are observed.
 - c. Identify PRB as a special emphasis item for QC OSAs.
4. **Quality Control Monitoring:** The national target number for QC OSAs at ZLA is 150 per quarter. Facility Order mandates an apportioned 175 per quarter. A review of the past three (3) full quarter's shows that each fell well short of both the national and local targets, with 93, 103 and 103 total OSAs conducted respectively.

Recommendations:

- a. Review the facility QC order to determine if the targets listed are appropriate.
 - b. Develop a facility process to ensure that the facility complies with its own requirements.
5. **Quality Control Processes:** Local requirement for QC OSA validations is four (4) per month. A review of the past seven (7) months revealed that requirements were met in only three (3) of those seven (7) months.

Recommendations:

- a. Review the facility QC order to determine if the targets listed are appropriate.
 - b. Develop a facility process to ensure that the facility complies with its own requirements.
6. **Significant Event Follow-up:** Various potentially significant events dating back as far as 16 months have received no follow-up action by the facility and remain open.

Recommendations:

- a. Develop a facility process and assign responsibility for tracking corrective actions resulting from significant events through completion.
 - b. Coordinate with the Los Angeles District (TWLA) if assistance is needed with tracking and management of the significant event follow-up Knowledge Services Network (KSN) site.
7. **Weather Familiarization:** A random comparison of pre-duty weather briefing tracking in the facility log against CruArt data showed numerous discrepancies. While it is not known if these discrepancies indicate that controllers did not receive the weather briefing or if it is a failure of the tracking mechanism, compliance with the requirement to do both has not been accomplished.

Recommendations:

- a. Develop a facility process that ensures all appropriate personnel receive the pre-duty weather briefing and that completion of such is documented.

The ECV evaluators rated the following checklist items *low risk non-compliant*. The facility must develop corrective action and enter the plan in the CVT no later than July 1, 2021. To close the item, document the processes used to ensure the effectiveness of the mitigation.

1. **Facility Directives Repository (FDR):** Non-current facility orders including QC, strip marking and routing are located on the FDR.

Recommendations:

- a. Review all items posted on the FDR for currency, correctness and completeness. Update items as necessary and remove those no longer in effect.
- b. Assign facility QC staff to audit FDR on a recurring basis to ensure currency of posted items.

2. **Facility Occupant Emergency Plan/Emergency Action Plan (FOEP/EAP):** Required language from the 2016 memorandum is not present in the current FOEP/EAP. The document is currently being revised and the facility has been provided the memo to assist with compliance.

Recommendations:

- a. Complete the revision of the FOEP/EAP to include the required language.
3. **Interphone Format:** Many times coordination that should be recorded via landline was simply shouted across the area. Additionally, operating initials are not always stated at the end of the landline communication.

Recommendations:

- a. Brief workforce on the requirements concerning landline coordination and proper phraseology.
- b. Supervisors perform appropriate IPM when deficiencies are observed.
- c. Identify interphone format as a special emphasis item for QC OSAs.
4. **Internal Compliance Verification (ICV)/ECV Findings:** 2020 ZLA ICV rated all items as compliant or not observed, while our review of data for ECV items dating back to FY 20 timeframe showed non-compliance as noted in this document.

Recommendations:

- a. Exercise greater diligence while assessing items during facility ICV.
- b. Rating approvers provide greater oversight when approving assessments.
- c. Provide feedback and appropriate IPM to raters when incorrect ratings are identified.
5. **Operational Reference Material:** Operational contingency plan (OCP) information found at operational positions is outdated and incorrect.

Recommendations:

- a. Review all operational information located within the operational area and update as necessary. Remove all incorrect or outdated material.

6. **Radio Communication:** Numbers format is frequently incorrect when transferring communication. Additionally, non-standard phraseology was observed in many instances with one (1) example being “talk to...” instead of “contact...”.

Recommendations:

- a. Brief workforce on the requirements to use proper phraseology when communicating with pilots.
 - b. Supervisors perform appropriate IPM when deficiencies are observed.
 - c. Identify radio communications as a special emphasis item for QC OSAs.
7. **Read and Initial (R&I):** A random sampling of R&I completions were conducted with numerous items found to be completed late and outside of when new items/procedures were implemented.

Recommendations:

- a. Establish a facility process to ensure personnel review and acknowledge briefing items in accordance with requirements.
 - b. Assign appropriate personnel to audit the effectiveness of the facility process.
8. **SOP/ Letter of Agreement (LOA) Review:** Some LOAs erroneously contain OCP and other outdated information (i.e. “High Desert Tracon”). Some LOAs are missing signatures.

Recommendations:

- a. Establish a facility process that assigns and documents the review of the SOP and all LOAs on an annual basis and whenever otherwise necessary.
 - b. Assign appropriate personnel to audit the effectiveness of the facility process.
9. **Systemic Issue Review (SYSIR):** Inappropriate SYSIRs were generated and left open with no action.

Recommendations:

- a. Provide coaching to staff regarding appropriate systemic issue identification and the process for addressing different types of issues.

- b. Assign personnel to periodically review Comprehensive Electronic Data Analysis Review (CEDAR) for any SYSIRs that have been entered and take appropriate action.

Training and Proficiency Record (FAA Form 3120-1) was rated as “Informational” for the following reason:

A random review of 3120-1s revealed that not all required entries have been made. The contract training specialist, email account had been deleted by the system while she was out of the facility for a number of months at the beginning of the COVID-19 outbreak. She ultimately received a new email address and started recreating training records from scratch. She lost all information between March 2020 - December 2020 and has been making progress toward the facility reaching a “current status”. She also had to have her computer re-imaged. These two (2) items affected her ability to complete any work electronically and are the reasons for this finding.

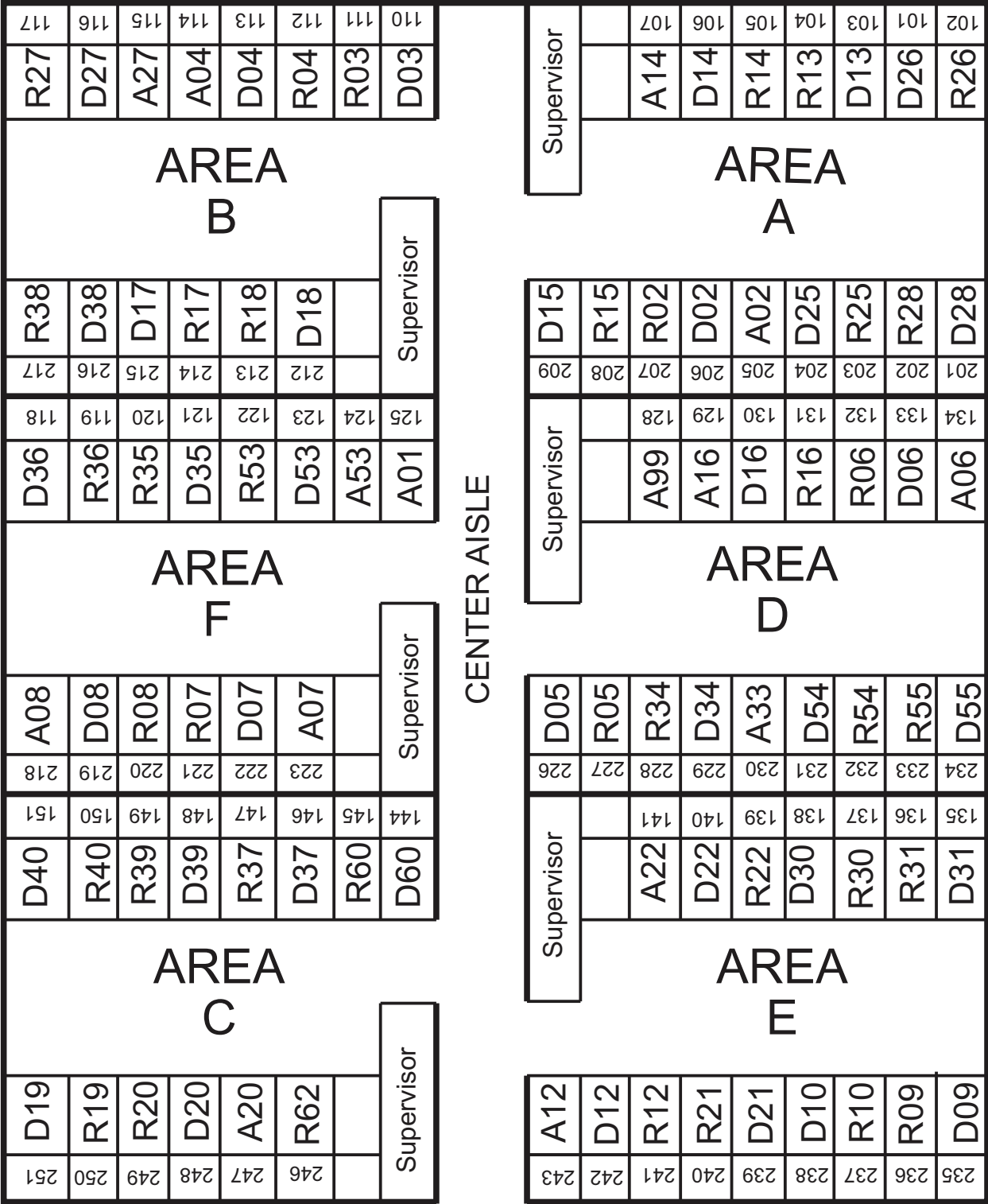
Although this item was not rated as non-compliant, we offer the following recommendation: Keep the TWLA District support team advised when situations arise that affect the facility’s ability to maintain compliance with agency directives.

Safety Alerts was rated as “Not Observed” as the team did not observe any instances when a safety alert was either issued or warranted during our monitoring of the operation.

If you have questions or concerns, please contact James Stark, QCG Lead Evaluator, at (206) 231-2348 or staff specialist William Hannan, at (206) 231-2335.

cc: Jeff R. Stewart, Director, Air Traffic Operations, Western Service Area, AJTW
Tonya Patterson, Deputy Director, Air Traffic Operations, Western Service Area, AJTW
Sarah Humphreys, Senior Advisor, Western Service Area, AJTW
Takashi Nelson, Acting Senior Advisor, Western Service Area, AJTW
Rodney Lindbeck, Acting General Manager, Los Angeles District, TWLA
John Nelson, Assistant General Manager, Los Angeles District, TWLA

Los Angeles ARTCC Facility Layout



Not to scale

22-001-ZLA
N111NW



Data provided by each area and the local safety council have identified the FACILITY High-5. These are the highest-risk safety issues we would like to address as a facility. Let's work to get these off the RISK list!!!!



AIT: Automated Point Outs



SUPER/HEAVY Wake Turbulence



Landline Coordination/Phraseology



WX and PIREPs, Get and Give



Position Relief Briefings



ON THE JOB TRAINING

CLIMB/DESCEND VIA PROCEDURES



AUTOMATED POINT OUT & AIT PROCEDURES

PIREP SOLICITATION & DISSEMINATION



SAFETY ALERTS

These are the TOP safety issues we would like to address as a facility. Let's work to get them off the RISK list!!!!

—Your Local Safety Council



Your LSC selected these 5 local emphasis items based on FY2020 Operational Skill Assessment (OSA) compliance data.

- 1. USING PRESCRIBED PHRASEOLOGY**
- 2. AIRCRAFT IDENTITY MAINTAINED**
- 3. CORRECTED BAD READBACKS**
- 4. WEATHER (ISSUANCE & PIREPS)**
- 5. MERGING TARGET PROCEDURES**





"Approved As Requested" Response



**Similar Sounding Call Signs/
Correcting Bad Read Backs**



PIREP Solicitation/Dissemination



Radar Vectoring Application



Position Relief Briefing

These 5 local emphasis items were selected by your LSC based on FY2021 Operational Skill Assessment (OSA) and Internal Compliance Verification (ICV) data.



Data provided by each area and the local safety council have identified the FACILITY High-5. These are the highest-risk safety issues we would like to address as a facility. Let's work to get these off the RISK list!!!!



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Position Relief Briefings



ON THE JOB TRAINING

**CLIMB/DESCEND VIA
PROCEDURES**



**AUTOMATED POINT OUT
& AIT PROCEDURES**

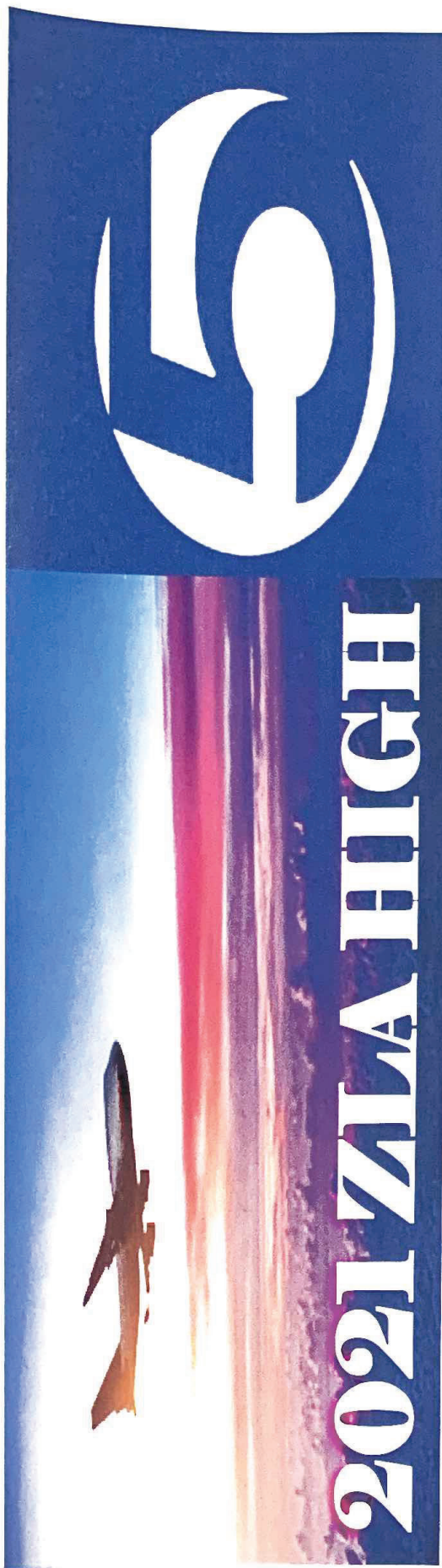
**PIREP SOLICITATION &
DISSEMINATION**



SAFETY ALERTS

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- 4. WEATHER (ISSUANCE & PIREPS)**
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ZLA HIGH 5



"Approved As Requested" Response



**Similar Sounding Call Signs/
Correcting Bad Read Backs**



PIREP Solicitation/Dissemination



Radar Vectoring Application



Position Relief Briefing

These 5 local emphasis items were selected by your LSC based on FY2021 Operational Skill Assessment (OSA) and Internal Compliance Verification (ICV) data.

ZLA Local Safety Council Briefing Items

PIREPs/Weather

- ZLA High 5: 2019-2022
- PFS SAFE Discussions: July 2022, June 2022, March 2022, June 2021 (PIREP lanyards distributed), May 2021, March 2021, February 2021, January 2021
- LSC Alert Bulletin: July 2021
- R&I (CEDAR): July 2022
- Bulletin Board Posting: July 1, 2022 – September 1, 2022

OJTI Intervention

- PFS SAFE Discussion: March 2022, July 2021, October 2021
- LSC Alert Bulletin: September 2021 (SSR)

ZLA Recovery Training 2022

- IFR/VFR Positive Separation
- Merging Target Procedures
- Traffic Advisories
- Safety Alerts
- TCAS RA Recovery

*The items listed above were covered in a classroom setting as well as in the TTL with additional seldom used procedures covered in the lab problems.

Air Traffic Mandatory Occurrence Report

ZLA-M-2022/09/13-0004 - DRAFT

1. Reporting FAC ID			2. Date UTC (dd/mm/yyyy)								3. Time UTC				4. Significant Occurrence?	
Z	L	A	1	3	0	9	2	0	2	2	1	8	0	1	☒ Yes ☐ No	
5. MOR reported by (select one): ☐ Controller providing services ☐ FLM ☐ Internal Facility Review ☐ CIC ☐ Aircraft Owner/Operator ☐ Electronically Detected ☐ External Facility Referral ☐ Hotline (Describe in summary) ☐ Other (Describe in summary)															6. Did equipment outage potentially contribute to this event? ☐ Yes ☒ No ☐ Unknown	
Training in progress? ☐ Yes ☒ No ☐ Unknown Nearest Airport: <u>GCN</u> Possible NMAC? ☐ Yes ☒ No Alert #: _____																
Emergency MORs																
H1. MOR type - in-flight emergency conditions involving (select one): ☐ Medical emergency ☐ Inflight equipment malfunction ☐ Pilot Disorientation ☐ VFR in/on top IFR conditions ☐ Fuel quantity ☐ Bird strike ☒ Other (describe in summary)																
H1a. Aircraft information:																
Aircraft ID N43605		Aircraft Type/Suffix PA46/G		IFR/VFR ☐ IFR ☐ VFR		Facility communicating with A/C ZLA		Position communicating with A/C R08				Frequency				
Heading		Altitude		Phase of Flight				Traffic Pattern Location				Evasive Action				
H1b. Malfunctioning equipment component:						H1c. Passenger or crew condition:						H1d. Medical assistance aboard: ☐ Yes ☐ No ☐ Unknown				
Only complete for mechanical MORs						Only complete for medical MORs										
H2. MOR type - in-flight security conditions involving (select one): ☐ Laser light illumination ☐ Hijack ☐ Bomb threat																
H2b. Nearest major city:						H2c. Altitude:				A/C Heading:		Relative Clock Position:				
Only complete for laser light illuminations																
H2e. Location (lat/long or fix/radial distance);						H2f. Time DEN notified (UTC):				H2d. Route information:						
										Departed ABQ		Destination HND		Diverted to		
METAR Observation																
KGCN 131754Z 00000KT 10SM FEW048 BKN110 16/13 A3019 RMK AO2 LTG DSNT SW AND W RAB10E27 SLP148 P0001 60012 T01560128 10156 20122 51003																

Air Traffic Mandatory Occurrence Report

ZLA-M-2022/09/13-0004 - DRAFT

Summary

J1. Summary - provide a brief summary for all MORs in this section that will provide enough information for QA to understand what occurred. Include information about items that require additional information in the specific MOR you are reporting.

N43605 PA46/G, ABQ - HND, VFR, ENTERED WEATHER, REVERSED COURSE AND ACCORDING TO FALCON ENTERED AN UNCONTROLLED SPIN. R8 WAS PROVIDING VFR ADVISORY SERVICE AND HAD ISSUED THE GCN ALTIMETER ALONG WITH A DISPLAYED WEATHER ADVISORY APPROXIMATELY 10 MILES BEFORE THE AIRCRAFT REVERSED COURSE. R8 THEN EXPERIENCED A SIMULTANEOUS LOSS OF RADAR AND COMMUNICATIONS WITH N43605. ALNOT ISSUED AT 1825Z. COCONINO SHERIFF LCTD WRECKAGE AT 2038Z.

ZLA Local Safety Council Briefing Items

PIREPs/Weather

- ZLA High 5: 2019-2022
- PFS SAFE Discussions: July 2022, June 2022, March 2022, June 2021 (PIREP lanyards distributed), May 2021, March 2021, February 2021, January 2021
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ZLA Refresher Training 2021 Topics

0900-1300 and 1400-1800 Classroom times

Classroom Training – 1 +20 ~ 20 minutes per topic

1. ZLA Contingency Plan
2. Aerial Refueling
3. Professionalism
4. Aircraft Emergencies/Emergency Management and Reportable Occurrences

Simulation Training – 2 hours

1. Lost aircraft orientation
2. Recovery in ATC operations
3. Safety alerts (required in simulation training)
4. Oceanic procedures, (Area A)
5. Hijacking
6. DEN/VIP Movements – TOI intercept and military flight join up and break up with new phraseology
7. VFR aircraft encountering Instrument Meteorological Conditions (IMC)
8. Minimum Safe Altitude Warning (MSAW)
9. Weather
10. Pilot Weather Report (PIREP) solicitation/dissemination
11. Traffic Alert and Collision Avoidance System (TCAS)
12. Traffic Advisories
13. Nonradar – loss of radar on aircraft
14. En Route Decision Support Tool (EDST)
15. Airspace intruder
16. Military operations
17. Special Activity Airspace (SAA)
18. Phraseology – special emphasis on interphone communication, “approved as requested”
19. Vectoring – special emphasis on giving reason for vector with clearance
20. Speed Control
21. Clearances
22. Coordination
23. Separation minima
24. Letters of Agreement (LOAs)/Letters of Procedure (LOPs)/Directives
25. Control Judgement
26. VFR Services

ZLA

2021 Annual Refresher Training

COMPLETION %	91.08%

Area A

2021 Annual Refresher Training

Alvarez, Mark	LA	13-Oct
Arce, Adolfo	RC	15-Oct
Barrett, Timothy	AG	13-Oct
Beck, Robby	RB	26-Oct
Bengard, Erik	A2	14-Oct
Bickel, Shane	SS	18-Oct
Carlin, Russell	AR	22-Oct
Carpenter, Jonathan	XJ	19-Nov
Christie, Philip	PE	18-Oct
Conley, Austin	AC	15-Oct
Couche, Rachel	VC	13-Nov
Cuevas, Arthur	OG	18-Oct
Cuevas, Bryant	YA	3-Nov
Denham, Corey	CE	2-Nov
Gabriel, Colin	CZ	3-Nov
Garland, Brittany	BT	13-Oct
Gentile, Joshua	GE	1-Nov
Graham, Kaleb	GK	3-Nov
Grider, Brian	VV	27-Oct
Griffin, Dylan	DG	10-Nov
Hanson, Brett	ZH	1-Nov
Harris, Sarah	SZ	25-Oct
Holder, Joseph	HH	3-Nov
Hutson, Jeffrey	HN	12-Oct
Jacobs, Christopher	CM	13-Oct
Kelsey, Taylor	TK	14-Oct
Lane, Joshua	CP	10-Nov
Lohrman, Joshua	OP	4-Oct
Lowther, Timothy	GS	19-Oct
Meuleners, Janessa	NO	19-Oct
Moss, Gerrit	GM	27-Oct
Norr, Garrett	GJ	17-Nov
Robertson, Rajnish	RO	12-Oct
Romano, Frank	FJ	2-Nov
Rozenberg, Sean	OZ	4-Nov
Samuelian, Stephen	TU	14-Oct
Schoelen, Michael	OC	20-Oct
Speakman, Erik	ES	18-Oct
Susnitzky, Brett	ZY	15-Oct
Tshudy, Matthew	TY	9-Nov
Vo, Kevin	VO	10-Nov
Wagner, Aaron	AM	16-Nov
Wagoner, Tanner	TW	2-Nov
Willey, Nikki	NJ	8-Nov
Zipper, Jonathan	IZ	15-Oct

TOTAL COMPLETE	47
TOTAL PEOPLE	47
COMPLETE PERCENTAGE	100.00%

Area B

2021 Annual Refresher Training

Amiel, David	AL	military leave
Arellano, Matthew	MX	13-Oct
Ayala, Jeremy	AJ	19-Oct
Badini, Christopher	CB	12-Oct
Bannon, Kevin	KR	8-Nov
Binero, Jamila	ZF	15-Nov
Blackwell, Guy	BW	29-Oct
Cadotte, Beau	BD	19-Nov
Carey, Nicolas	EU	16-Nov
Decker, James	OU	
Flores, Nicholas	MV	1-Nov
Fragas, Jacqueline	IX	19-Nov
Gillem, Kevin	KK	5-Nov
He, Xinran	ZN	22-Oct
House, Zephaniah	HZ	22-Oct
Jackson, Leonard	LJ	25-Oct
Klein, Geoffrey	JX	5-Nov
Lemen, Brian	LE	2-Nov
Lott III, Michael	CX	13-Oct
Malerbi, Terri	XT	19-Oct
Martinez, Carmen	CV	12-Oct
Meredith, Kyle	KM	16-Nov
Meyers, Ty	TI	10-Nov
Miller, Keith	XM	15-Nov
Mountain, Heidi	ER	10-Nov
Murdy, Daniel	DR	2-Nov
Naber, William	WN	3-Nov
Nguyen, Harrison	BF	12-Oct
Ostermeyer, Mark	MK	13-Oct
Park, Bryan	YU	19-Oct
Patience, Jared	IA	2-Nov
Plein, Lindsay	PL	16-Nov
Ralph, Jon	OR	26-Oct
Rawle, Benjamin	BX	22-Oct
Rosier, Kyle	KS	12-Oct
Rushing, Adam	ZA	8-Nov
Schiffer, Wyatt	WS	13-Oct
Schildmeier, Gregory	PH	PPL
Schuler, Karl	KA	13-Oct
Scott, Caitlin	CY	1-Nov
Treu, Karsten	KN	14-Oct

Tuminaro, David	XL	4-Nov
Vera, Larry	VL	19-Nov
White, Andrew	AI	13-Oct
Yap, Clinton	YP	3-Nov

TOTAL COMPLETE	43
TOTAL PEOPLE	45
COMPLETE PERCNETAGE	95.56%

Area C

2021 Annual Refresher Training

Acuna, David	AK	21-Oct
Amiel, Jonathan	SO	15-Oct
Anderson, Laura	KL	15-Oct
Bardeen, Brock	BM	20-Oct
Becker, James	JK	12-Oct
Belcher, Phillip	ZC	29-Oct
Bird, Daniel	IY	28-Oct
Bird, Sam	JS	20-Oct
Blackwell, Carlyann	CR	20-Oct
Bracy, Yolanda	AO	15-Oct
Carcamo, Darrell	DL	18-Oct
Carlin, Dustin	XD	19-Oct
Colbenson, Steven	CS	20-Oct
Collier, Casey	KC	25-Oct
Contreras, Alejandro	LX	15-Nov
Cordovano, Charles	VA	29-Oct
Cuevas, Felipe	FC	26-Oct
Diaz, Coriana	CD	12-Oct
Dijkstra-Nisani, Yolanda	YO	28-Oct
Eng, Alyssa	AE	19-Oct
Estes, Clinton	KU	21-Oct
Harris, Matthew	NQ	3-Nov
Hart, Jeremy	JG	18-Oct
Horner, Jeffrey	JH	15-Nov
Itai, Tayna	KX	13-Oct
Johnson, Elaine	QT	13-Oct
Johnson, Ryan	RR	8-Nov
Kalista, Anton	AQ	14-Oct
Kelley, Charles	CK	14-Oct
Kleinschmidt, Austin	TD	18-Oct
Kroessler, Andrew	OL	13-Oct
Lam, Thomas	TL	12-Oct
Livingston, Anders	NA	25-Oct
McIntosh, Justin	MD	2-Nov
Mendez, Anthony	OJ	21-Oct
Mikhaylov, Leana	YM	13-Oct
Murawski, David	CU	28-Oct
Ortiz, Noe	NX	21-Oct
Parker, Wendy	ZV	14-Oct
Riepma, Nick	TN	19-Oct
Schlegelmilch, Michael	FO	19-Oct
Schwartz, Joshua	JA	19-Oct
Seong, Kevin	KV	15-Oct
Spitzer, Audrey	AS	13-Oct
Todd, Trisha	TT	2-Nov

Tomaszewski, Nick	NT	20-Oct
Viscovich, Joseph	VI	18-Oct
Wang, Andrew	VR	15-Nov

TOTAL COMPLETE	48
TOTAL PEOPLE	48
COMPLETE PERCENTAGE	100.00%

Area D

2021 Annual Refresher Training

Abramson, Matana	ZM	29-Oct
Alexander, Jonathan	SA	29-Oct
Baum, Remington	ZB	4-Nov
Brand, Francesca	FH	12-Oct
Butch, Shaun	OA	18-Nov
Calabria, Erin L	EL	10-Nov
Carroll, Anna	AZ	19-Oct
Casey, Guy	GC	9-Nov
Castilleja, Sunny	SN	22-Nov
Chang, Jonah	PZ	16-Nov
Childs, Eric	EC	
Dunlap, Trevor	TB	27-Oct
Gabbard, Joshua	GD	28-Oct
Gatehouse, Christopher	DJ	28-Oct
Greer, William	IM	1-Nov
Gunter, Benjamin	BG	
Hau, Aleck	AH	9-Nov
Hernandez, Frank	FX	2-Nov
Holst, Megan	MR	13-Nov
Hurt, Chadwick	CH	12-Oct
Josepha, Brian	BB	7-Nov
Karcz, Kara	NK	10-Nov
Kledplee, Worasith	NL	3-Nov
Kracht, James	JC	14-Nov
Lanphere, Jye	JI	9-Nov
Lopez, Miguel	EM	15-Oct
Maita, Vincent	VM	
Mattei, Damien	DA	26-Oct
Mauldin, Trent	TR	10-Nov
McCann, Weston	JM	19-Nov
Meyer, Brandi	WP	13-Oct
Mondragon-Valencia, Isi	TA	19-Nov
Pair, Natale	PR	15-Nov
Penalosa, Michael	ME	5-Nov
Ramirez, Martin	EZ	9-Nov
Sanchez, Hector	HS	
Serai, Stephanie	SP	18-Nov
Shuman, Tyler	TS	19-Oct
Snaer, Marc	MZ	22-Nov
Soto (D1), Ian (D1)	EN	13-Oct
Vetor, Zachary	VZ	10-Nov
Wallace, Darrell	WD	12-Nov
Wouters, Micah	MW	26-Oct
Yepez, Edmundo	EX	27-Oct

TOTAL COMPLETE	40
TOTAL PEOPLE	44
COMPLETE PERCENTAGE	90.91%

Area E

2021 Annual Refresher Training

Barragan, Victor	BA	12-Oct
Brown, Emiline	NE	12-Oct
Burrows, Grant	GB	3-Dec
Cahal, Michael	CC	22-Nov
Castilleja, Luis	LT	4-Nov
Del Rosario, Raymund	RD	21-Oct
Desio, Kelly	KT	
Diaz, Victor	KO	
Elliott III, James	MT	15-Oct
Fabarez, Adam	AF	2-Nov
Festerling, Brian	BZ	
Fuentes, Rodolfo	RF	19-Oct
Garfield, Gillian	GV	3-Nov
Gibbons, Thomas	OE	12-Oct
Giovengo, James	GO	1-Nov
Glanville, Christian	GZ	12-Oct
Gross, Marti	XO	2-Nov
Haak, Melissa	XX	3-Nov
Haberstick, John	RH	9-Nov
Haley, Dan	DH	6-Dec
Hongkham, Robert	QQ	3-Dec
Jankowski, Stephen	ZG	19-Oct
Johnson, Ryan	RY	6-Dec
Kuenzi, Daniel	DS	
Lanham, Joshua	JT	18-Nov
Leonez Cordova, Jery	JE	
Malarchick, Nathan	MF	
Moon, Terri	MO	15-Nov
Ortiz, Jorge	JD	8-Nov
Ostermeyer, Sarah	OS	18-Oct
Parker, Cristin	TX	12-Oct
Perez, Edson	ET	5-Nov
Reynoso, Jonathan	JQ	25-Oct
Roeker, Cory	CT	14-Oct
Schmidt, Lilian	SC	12-Oct
Smith, Jacob	JW	15-Nov
Sparks, Ryan	JN	22-Nov
Stahley, Adam	IU	14-Oct
Stephens, Kyle	RS	15-Nov
Vaden, Cherron	WW	
Valencia, Rafael	RV	26-Oct
Whiting, Ryan	YN	
Williams, Christopher	CA	18-Nov
Wollenberg, Bryan	II	29-Nov
Zurita, Manuel	ZZ	16-Nov

TOTAL COMPLETE	36
TOTAL PEOPLE	45
COMPLETE PERCENTAGE	80.00%

Area F

2021 Annual Refresher Training

Arture, Joe	NY	3-Nov
Buckner, Jasmin	JF	18-Oct
Chung, Charlie	CJ	28-Oct
Coslin, Kristi	CO	15-Oct
Diaz, Sandro	PB	13-Oct
Dunlap, Kelli	FK	19-Oct
Felder-Cook, Kortney	KF	3-Nov
Fletcher, Sarah	SK	
Garcia, Walter	ZU	12-Oct
Grauer, Amy	GR	14-Oct
Green, Brandon	VJ	12-Oct
Hearns, Rodney	WC	1-Nov
Henry, Erika	EH	25-Oct
Hugo, Eric	HE	2-Nov
Kotoff, Aaron	AX	14-Oct
Lacambacal, Christian	BC	
Lalputan, Hakeem	HL	12-Oct
Lamanna, Christopher	CW	26-Oct
Lee, Dejon	DE	
Lee, Jessica	ML	26-Oct
Maly, Shawn	SH	12-Oct
Mancinelli, Michelle	XN	15-Oct
Marinas, Karena	PU	29-Nov
Moreno, Tracy	TM	8-Nov
Munoz, Daniel	DM	
Nesmith, Andrew	AP	
Nguyen, Minh	VN	22-Oct
Pascan, Sergiu	PS	25-Oct
Piolatto, Mike	MI	29-Oct
Ray, Stephen	RA	13-Oct
Riley, Joel	JZ	18-Oct
Rosales, Elda	YQ	21-Oct
Rossmango, Daniel	DZ	1-Nov
Scott, Jason	JL	20-Oct
Shuman, Jennifer	JU	14-Oct
Snyder, Stephen	SY	27-Oct
Squire, James	SJ	27-Oct
Williams, David	AA	25-Oct
Williams, Jaclyn	JO	2-Nov
TOTAL COMPLETE		34
TOTAL PEOPLE		39
COMPLETE PERCENTAGE		87.18%

TMU

2021 Annual Refresher Training

Beale, Scott	SB	
Elikan, Steve	SR	31-Aug
Goodwin, Thomas	TJ	12-Nov
Germann, Anthony	TG	8-Nov
Gunderson, Andrew	GU	5-Nov
Halcomb, Michael	MP	4-Nov
Hay, Christopher	HA	
Henry, Larry	LL	15-Nov
Matsumoto, Christopher	CN	1-Nov
McNelley, Matthew	MY	2-Nov
Rebar, Linda	LR	
Zimmerman, Jared	ZI	9-Nov
TOTAL COMPLETE		9
TOTAL PEOPLE		12
COMPLETE PERCENTAGE		75.00%

TRAINING

2021 Annual Refresher Training

Beard, Jason	JR	12-Oct
Breech, Thomas	DX	13-Oct
Bonanno, Justin	JJ	14-Oct
Fuentes, Rodolfo	RF	15-Aug
Hamilton, Aurore		22-Nov
Harrison, Toni		22-Nov
Kaneshiro, Sheri	SU	15-Aug
Smith, Levar		22-Nov
Martinez, Makimo	MM	21-Oct
Moss, Gerritt	GM	27-Oct
Tuminaro, Chris		22-Nov
Weaver, Kito	KG	14-Oct

TOTAL COMPLETE	12
TOTAL PEOPLE	12
COMPLETE PERCENTAGE	100.00%

1511 GI W6 HAZARDOUS WEATHER INFORMATION. SFO/SLC AIRMET TANGO UPDT FOR TURB VALID UNTIL 132100Z FOR AZ NM CO UT NV CA & CSTL WTRS AVAILABLE ON FLIGHT SERVICE FREQUENCIES....ZLAWC/131511/MP

1511 GI W6 HAZARDOUS WEATHER INFORMATION. SFO/SLC AIRMET ZULU UPDT FOR ICE AND FRZLVL VALID UNTIL 132100Z FOR AZ NM CO UT NV CA & CSTL WTRS AVAILABLE ON FLIGHT SERVICE FREQUENCIES.... ZLAWC/131511/MP

1511 GI W6 HAZARDOUS WEATHER INFORMATION. SFO/SLC AIRMET SIERRA UPDT FOR IFR AND MTN OBSCN VALID UNTIL 132100Z FOR AZ NM CO UT NV CA & CSTL WTRS AVAILABLE ON FLIGHT SERVICE FREQUENCIES....ZLAWC/131511/MP

SIGW MKCW WST 131755 CONVECTIVE SIGMET 47W VALID UNTIL 1955Z AZ UT NV FROM 10NW BVL-30SSW HVE-30WSW SJN-60SE EED-10WSW ILC-10NW BVL AREA SEV TS MOV FROM 21020KT. TOPS TO FL390. HAIL TO 1 IN...WIND GUSTS TO 50KT POSS.

PIREPs

GI C A T D <CLR WTHR> UA /OV GCN280040 /TM 1651 / FL 180 /TP B350 /TA M02 /IC LGT RIME... ZLATMU131717Z/TG

Assignment Report

Employee	Assignment	Assigned	Completed	Due	Log ELMS	Log TRAX	Training Length	Training Type
Abramson, Matana (ZM)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 06:27	No	No	No	0:05	Informational
Acuna, David J (AK)	QC 22-002 Weather Deviations	8/12/22	8/30/22 - 00:00	No	No	No	0:05	Informational
Alexander, Jonathan L (SA)	QC 22-002 Weather Deviations	8/12/22	8/28/22 - 00:33	No	No	No	0:05	Informational
Alvarez, Mark A (LA)	QC 22-002 Weather Deviations	8/12/22	8/29/22 - 11:30	No	No	No	0:05	Informational
Amiel, David Y (AL)	QC 22-002 Weather Deviations	8/12/22	9/3/22 - 17:07	No	No	No	0:05	Informational
Amiel, Jonathan (SO)	QC 22-002 Weather Deviations	8/12/22	8/23/22 - 11:38	No	No	No	0:05	Informational
Anderson, Laura K (KL)	QC 22-002 Weather Deviations	8/12/22	8/16/22 - 06:58	No	No	No	0:05	Informational
Arce, Adolfo (RC)	QC 22-002 Weather Deviations	8/12/22	8/16/22 - 08:51	No	No	No	0:05	Informational
Arellano, Matthew (MX)	QC 22-002 Weather Deviations	8/12/22	8/16/22 - 13:20	No	No	No	0:05	Informational
Arture, Joe C (NY)	QC 22-002 Weather Deviations	8/12/22	8/26/22 - 09:16	No	No	No	0:05	Informational
Ayala, Jeremy (AJ)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 06:33	No	No	No	0:05	Informational
Badini, Christopher A (CB)	QC 22-002 Weather Deviations	8/12/22	8/14/22 - 13:16	No	No	No	0:05	Informational
Bannon, Kevin R (KR)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 09:55	No	No	No	0:05	Informational
Bardeen, Brock A (BM)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 14:59	No	No	No	0:05	Informational
Barragan, Victor (BA)	QC 22-002 Weather Deviations	8/12/22	9/9/22 - 07:19	No	No	No	0:05	Informational
Barrett, Timothy (AG)	QC 22-002 Weather Deviations	8/12/22	8/27/22 - 13:48	No	No	No	0:05	Informational
Baum, Remington T (ZB)	QC 22-002 Weather Deviations	8/12/22	8/16/22 - 17:52	No	No	No	0:05	Informational
Beck, Robby M (RB)	QC 22-002 Weather Deviations	8/12/22	8/16/22 - 09:44	No	No	No	0:05	Informational
Becker, James D (JK)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 07:10	No	No	No	0:05	Informational
Belcher, Phillip A (ZC)	QC 22-002 Weather Deviations	8/12/22	8/16/22 - 08:27	No	No	No	0:05	Informational
Bengard, Erik D (EB)	QC 22-002 Weather Deviations	8/12/22	8/14/22 - 08:21	No	No	No	0:05	Informational
Bickel, Shane A (SS)	QC 22-002 Weather Deviations	8/12/22	8/28/22 - 16:39	No	No	No	0:05	Informational
Binero, Jamila (ZF)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 13:22	No	No	No	0:05	Informational
Bird, Daniel J (IY)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 15:39	No	No	No	0:05	Informational
Blackwell, Carlyann L (CR)	QC 22-002 Weather Deviations	8/12/22	8/24/22 - 08:31	No	No	No	0:05	Informational
Blackwell, Guy S (BW)	QC 22-002 Weather Deviations	8/12/22	8/19/22 - 06:40	No	No	No	0:05	Informational
Brand, Francesca R (FH)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 18:53	No	No	No	0:05	Informational
Buckner, Jasmin M (JF)	QC 22-002 Weather Deviations	8/12/22	8/16/22 - 15:53	No	No	No	0:05	Informational
Burrows, Grant G (GB)	QC 22-002 Weather Deviations	8/12/22	9/9/22 - 14:41	No	No	No	0:05	Informational
Butch, Shaun A (OA)	QC 22-002 Weather Deviations	8/12/22	8/20/22 - 06:44	No	No	No	0:05	Informational
Cadotte, Beau J (BD)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 09:15	No	No	No	0:05	Informational
Cahal, Michael A (CC)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 08:35	No	No	No	0:05	Informational
Carey, Nicolas J (EU)	QC 22-002 Weather Deviations	8/12/22	8/14/22 - 05:53	No	No	No	0:05	Informational
Carlin, Dustin T (XD)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 14:57	No	No	No	0:05	Informational
Carlin, Russell D (AR)	QC 22-002 Weather Deviations	8/12/22	8/30/22 - 14:30	No	No	No	0:05	Informational
Carpenter, Jonathan A (XJ)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 12:56	No	No	No	0:05	Informational
Carroll, Anna L (AZ)	QC 22-002 Weather Deviations	8/12/22	8/20/22 - 11:06	No	No	No	0:05	Informational
Casey, Guy M (GC)	QC 22-002 Weather Deviations	8/12/22	8/23/22 - 15:03	No	No	No	0:05	Informational
Castilleja, Sunny A (SN)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 08:41	No	No	No	0:05	Informational
Chang, Jonah I (PZ)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 17:59	No	No	No	0:05	Informational
Childs, Eric C (EC)	QC 22-002 Weather Deviations	8/12/22	8/14/22 - 15:20	No	No	No	0:05	Informational
Colbenson, Steven J (CS)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 12:15	No	No	No	0:05	Informational
Collier, Casey R (KC)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 14:26	No	No	No	0:05	Informational
Conley, Austin M (AC)	QC 22-002 Weather Deviations	8/12/22	8/29/22 - 07:07	No	No	No	0:05	Informational
Cordovano, Charles C (VA)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 00:00	No	No	No	0:05	Informational
Coslin, Kristi L (CO)	QC 22-002 Weather Deviations	8/12/22	9/7/22 - 13:00	No	No	No	0:05	Informational
Couche, Rachel N (VC)	QC 22-002 Weather Deviations	8/12/22	8/21/22 - 19:00	No	No	No	0:05	Informational
Cuevas, Arthur P (OG)	QC 22-002 Weather Deviations	8/12/22	9/1/22 - 13:52	No	No	No	0:05	Informational
Cuevas, Felipe (FC)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 11:06	No	No	No	0:05	Informational
Decker, James W (OU)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 16:01	No	No	No	0:05	Informational
Del Rosario, Raymund D (RD)	QC 22-002 Weather Deviations	8/12/22	8/24/22 - 13:58	No	No	No	0:05	Informational
Denham, Corey M (CE)	QC 22-002 Weather Deviations	8/12/22	8/28/22 - 15:38	No	No	No	0:05	Informational
Denmeade, Drew L (DD)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 14:13	No	No	No	0:05	Informational
Desio, Kelly L (KD)	QC 22-002 Weather Deviations	8/12/22	8/19/22 - 18:15	No	No	No	0:05	Informational
Diaz, Coriana L (CD)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 13:39	No	No	No	0:05	Informational
Diaz, Victor (KO)	QC 22-002 Weather Deviations	8/12/22	8/14/22 - 14:50	No	No	No	0:05	Informational
Dijkstra-Nisani, Yolanda G (YO)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 20:25	No	No	No	0:05	Informational
Dunlap, Kelli R (FK)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 20:00	No	No	No	0:05	Informational
Dunlap, Trevor S (TB)	QC 22-002 Weather Deviations	8/12/22	8/18/22 - 13:06	No	No	No	0:05	Informational
Elliott Iii, James A (MT)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 14:45	No	No	No	0:05	Informational
Eng, Alyssa K (AE)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 13:36	No	No	No	0:05	Informational
Estes, Clinton D (KU)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 08:45	No	No	No	0:05	Informational
Fabarez, Adam J (AF)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 10:03	No	No	No	0:05	Informational

Felder-Cook, Kortney N (KF)	QC 22-002 Weather Deviations	8/12/22	8/21/22 - 17:40	No	No	0:05	Informational
Festerling, Brian D (BZ)	QC 22-002 Weather Deviations	8/12/22	8/18/22 - 06:25	No	No	0:05	Informational
Fletcher, Sarah J (SK)	QC 22-002 Weather Deviations	8/12/22	8/18/22 - 18:29	No	No	0:05	Informational
Flores, Nicholas A (MV)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 11:23	No	No	0:05	Informational
Fragas, Jacqueline M (IX)	QC 22-002 Weather Deviations	8/12/22	8/16/22 - 13:18	No	No	0:05	Informational
Gabbard, Joshua (GD)	QC 22-002 Weather Deviations	8/12/22	8/14/22 - 03:47	No	No	0:05	Informational
Gabriel, Colin (CZ)	QC 22-002 Weather Deviations	8/12/22	8/25/22 - 16:32	No	No	0:05	Informational
Garcia, Walter H (ZU)	QC 22-002 Weather Deviations	8/12/22	8/22/22 - 13:45	No	No	0:05	Informational
Garfield, Gillian V (GV)	QC 22-002 Weather Deviations	8/12/22	8/25/22 - 01:42	No	No	0:05	Informational
Garland, Brittany R (BT)	QC 22-002 Weather Deviations	8/12/22	8/28/22 - 13:25	No	No	0:05	Informational
Gatehouse, Christopher C (DJ)	QC 22-002 Weather Deviations	8/12/22	8/12/22 - 16:48	No	No	0:05	Informational
Gentile, Joshua T (GE)	QC 22-002 Weather Deviations	8/12/22	9/5/22 - 08:18	No	No	0:05	Informational
Gibbons, Thomas (OE)	QC 22-002 Weather Deviations	8/12/22	8/16/22 - 12:30	No	No	0:05	Informational
Gillem, Kevin D (KK)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 07:25	No	No	0:05	Informational
Giovengo, James J (GO)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 19:53	No	No	0:05	Informational
Glanville, Christian S (GZ)	QC 22-002 Weather Deviations	8/12/22	8/25/22 - 12:56	No	No	0:05	Informational
Goodwin, Thomas W (TJ)	QC 22-002 Weather Deviations	8/12/22	8/27/22 - 06:51	No	No	0:05	Informational
Graham, Kaleb R (GK)	QC 22-002 Weather Deviations	8/12/22	9/3/22 - 08:28	No	No	0:05	Informational
Grauer, Amy M (GR)	QC 22-002 Weather Deviations	8/12/22	8/19/22 - 17:10	No	No	0:05	Informational
Green, Brandon G (VJ)	QC 22-002 Weather Deviations	8/12/22	8/18/22 - 03:55	No	No	0:05	Informational
Greer, William A (IM)	QC 22-002 Weather Deviations	8/12/22	8/16/22 - 11:05	No	No	0:05	Informational
Grider, Brian M (VV)	QC 22-002 Weather Deviations	8/12/22	8/16/22 - 09:38	No	No	0:05	Informational
Griffin, Dylan M (DG)	QC 22-002 Weather Deviations	8/12/22	8/27/22 - 07:34	No	No	0:05	Informational
Gross, Marti J (XO)	QC 22-002 Weather Deviations	8/12/22	8/29/22 - 08:36	No	No	0:05	Informational
Gunter, Benjamin P (BG)	QC 22-002 Weather Deviations	8/12/22	9/5/22 - 00:00	No	No	0:05	Informational
Haberstick, John R (RH)	QC 22-002 Weather Deviations	8/12/22	8/14/22 - 07:21	No	No	0:05	Informational
Hamilton, Aurore K (AU)	QC 22-002 Weather Deviations	8/12/22	8/20/22 - 13:18	No	No	0:05	Informational
Hanson, Brett J (ZH)	QC 22-002 Weather Deviations	8/12/22	8/30/22 - 06:35	No	No	0:05	Informational
Harris, Matthew R (NQ)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 18:59	No	No	0:05	Informational
Harris, Sarah L (SZ)	QC 22-002 Weather Deviations	8/12/22	8/14/22 - 20:20	No	No	0:05	Informational
Harrison, Toninett (BE)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 07:51	No	No	0:05	Informational
Hart, Jeremy M (JG)	QC 22-002 Weather Deviations	8/12/22	8/23/22 - 13:49	No	No	0:05	Informational
Hau, Aleck (AH)	QC 22-002 Weather Deviations	8/12/22	8/16/22 - 15:12	No	No	0:05	Informational
He, Xinran J (ZN)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 07:02	No	No	0:05	Informational
Hearns, Rodney C (WC)	QC 22-002 Weather Deviations	8/12/22	8/18/22 - 18:46	No	No	0:05	Informational
Henry, Erika J (EH)	QC 22-002 Weather Deviations	8/12/22	8/18/22 - 23:03	No	No	0:05	Informational
Hernandez, Frank G (FX)	QC 22-002 Weather Deviations	8/12/22	8/23/22 - 00:00	No	No	0:05	Informational
Holder, Joseph (HH)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 06:49	No	No	0:05	Informational
Holst, Megan (MR)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 07:57	No	No	0:05	Informational
Horner, Jeffrey (JH)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 15:37	No	No	0:05	Informational
House, Zephaniah (HZ)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 09:02	No	No	0:05	Informational
Hugo, Eric (HE)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 14:01	No	No	0:05	Informational
Hurt, Chadwick (CH)	QC 22-002 Weather Deviations	8/12/22	8/22/22 - 00:00	No	No	0:05	Informational
Hutson, Jeffrey (HN)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 07:25	No	No	0:05	Informational
Itai, Tayna K (KX)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 16:48	No	No	0:05	Informational
Jackson, Leonard A (LJ)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 13:28	No	No	0:05	Informational
Jacobs, Christopher M (CM)	QC 22-002 Weather Deviations	8/12/22	8/27/22 - 13:34	No	No	0:05	Informational
Jankowski, Stephen M (ZG)	QC 22-002 Weather Deviations	8/12/22	8/28/22 - 14:55	No	No	0:05	Informational
Johnson, Elaine (QT)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 15:32	No	No	0:05	Informational
Johnson, Ryan R R (RR)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 13:28	No	No	0:05	Informational
Johnson, Ryan S S (RY)	QC 22-002 Weather Deviations	8/12/22	9/13/22 - 12:54	No	No	0:05	Informational
Josepha, Brian E (BB)	QC 22-002 Weather Deviations	8/12/22	8/22/22 - 09:56	No	No	0:05	Informational
Kalista, Anton (AQ)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 06:55	No	No	0:05	Informational
Karcz, Kara N (NK)	QC 22-002 Weather Deviations	8/12/22	8/22/22 - 09:51	No	No	0:05	Informational
Kelley, Charles R (CK)	QC 22-002 Weather Deviations	8/12/22	8/18/22 - 09:34	No	No	0:05	Informational
Kelsey, Taylor K (TK)	QC 22-002 Weather Deviations	8/12/22	8/28/22 - 13:35	No	No	0:05	Informational
Kledplee, Worasith (NL)	QC 22-002 Weather Deviations	8/12/22	8/14/22 - 06:49	No	No	0:05	Informational
Klein, Geoffrey M (JX)	QC 22-002 Weather Deviations	8/12/22	8/16/22 - 18:37	No	No	0:05	Informational
Kleinschmidt, Austin K (TD)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 06:27	No	No	0:05	Informational
Kotoff, Aaron A (AX)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 13:34	No	No	0:05	Informational
Kracht, James R (JC)	QC 22-002 Weather Deviations	8/12/22	8/22/22 - 00:00	No	No	0:05	Informational
Kroessler, Andrew J (OL)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 06:51	No	No	0:05	Informational
Kuenzi, Daniel (DS)	QC 22-002 Weather Deviations	8/12/22	8/27/22 - 04:16	No	No	0:05	Informational
Lacambacal, Christian K (BC)	QC 22-002 Weather Deviations	8/12/22	9/1/22 - 16:53	No	No	0:05	Informational
Lalputan, Hakeem (HL)	QC 22-002 Weather Deviations	8/12/22	8/22/22 - 13:45	No	No	0:05	Informational

Lam, Thomas (TL)	QC 22-002 Weather Deviations	8/12/22	8/30/22 - 20:26	No	No	0:05	Informational
Lamanna, Christopher (CW)	QC 22-002 Weather Deviations	8/12/22	8/31/22 - 21:10	No	No	0:05	Informational
Lane, Joshua P (CP)	QC 22-002 Weather Deviations	8/12/22	8/27/22 - 15:29	No	No	0:05	Informational
Lanphere, Jye D (JI)	QC 22-002 Weather Deviations	8/12/22	8/22/22 - 10:33	No	No	0:05	Informational
Lee, Jessica M (ML)	QC 22-002 Weather Deviations	8/12/22	8/24/22 - 07:22	No	No	0:05	Informational
Lemen, Brian J (LE)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 16:00	No	No	0:05	Informational
Leonez Cordova, Jerry J (JE)	QC 22-002 Weather Deviations	8/12/22	8/29/22 - 12:31	No	No	0:05	Informational
Livingston, Anders (NA)	QC 22-002 Weather Deviations	8/12/22	8/25/22 - 18:08	No	No	0:05	Informational
Lohrman, Joshua A (OP)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 07:48	No	No	0:05	Informational
Lopez, Miguel T (EM)	QC 22-002 Weather Deviations	8/12/22	8/21/22 - 06:36	No	No	0:05	Informational
Lott Iii, Michael J (CX)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 06:31	No	No	0:05	Informational
Lowther, Timothy S (GS)	QC 22-002 Weather Deviations	8/12/22	8/19/22 - 14:00	No	No	0:05	Informational
Maita, Vincent V (VM)	QC 22-002 Weather Deviations	8/12/22	8/30/22 - 16:01	No	No	0:05	Informational
Malarchick, Nathan (MF)	QC 22-002 Weather Deviations	8/12/22	8/20/22 - 15:21	No	No	0:05	Informational
Malerbi, Terri D (XT)	QC 22-002 Weather Deviations	8/12/22	8/23/22 - 14:31	No	No	0:05	Informational
Mancinelli, Michelle (XN)	QC 22-002 Weather Deviations	8/12/22	8/30/22 - 18:35	No	No	0:05	Informational
Martinez, Carmen V (CV)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 13:26	No	No	0:05	Informational
Martinez, Maximo L (MM)	QC 22-002 Weather Deviations	8/12/22	8/14/22 - 08:58	No	No	0:05	Informational
Mattei, Damien A (DA)	QC 22-002 Weather Deviations	8/12/22	8/16/22 - 15:27	No	No	0:05	Informational
Mauldin, Trent R (TR)	QC 22-002 Weather Deviations	8/12/22	8/14/22 - 13:32	No	No	0:05	Informational
Mccann, Weston J (JM)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 13:17	No	No	0:05	Informational
Mccants, Kevin (KJ)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 09:34	No	No	0:05	Informational
Mcintosh, Justin L (MD)	QC 22-002 Weather Deviations	8/12/22	8/19/22 - 12:48	No	No	0:05	Informational
Mendez, Anthony M (OJ)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 11:57	No	No	0:05	Informational
Meredith, Kyle J (KM)	QC 22-002 Weather Deviations	8/12/22	8/12/22 - 16:13	No	No	0:05	Informational
Meuleners, Janessa M (NO)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 14:13	No	No	0:05	Informational
Meyer, Brandi M (WP)	QC 22-002 Weather Deviations	8/12/22	8/18/22 - 13:15	No	No	0:05	Informational
Meyers, Ty (TI)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 14:47	No	No	0:05	Informational
Mikhaylov, Leana Y (YM)	QC 22-002 Weather Deviations	8/12/22	8/23/22 - 09:31	No	No	0:05	Informational
Miller, Keith A (XM)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 13:11	No	No	0:05	Informational
Mondragon-Valencia, Isidro (TA)	QC 22-002 Weather Deviations	8/12/22	8/22/22 - 00:00	No	No	0:05	Informational
Moon, Terri L (MO)	QC 22-002 Weather Deviations	8/12/22	8/28/22 - 16:11	No	No	0:05	Informational
Moreno, Tracy (TM)	QC 22-002 Weather Deviations	8/12/22	8/14/22 - 13:30	No	No	0:05	Informational
Moss, Gerrit L (GM)	QC 22-002 Weather Deviations	8/12/22	8/19/22 - 12:57	No	No	0:05	Informational
Munoz, Daniel J (DM)	QC 22-002 Weather Deviations	8/12/22	8/12/22 - 20:39	No	No	0:05	Informational
Murawski, David S (CU)	QC 22-002 Weather Deviations	8/12/22	8/18/22 - 15:10	No	No	0:05	Informational
Murdy, Daniel R (DR)	QC 22-002 Weather Deviations	8/12/22	8/14/22 - 13:58	No	No	0:05	Informational
Naber, William (WN)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 07:58	No	No	0:05	Informational
Nesmith, Andrew (AP)	QC 22-002 Weather Deviations	8/12/22	8/14/22 - 08:01	No	No	0:05	Informational
Nguyen, Harrison T (BF)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 06:39	No	No	0:05	Informational
Norr, Garrett J (GJ)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 15:01	No	No	0:05	Informational
Ortiz, Jorge R (JD)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 14:59	No	No	0:05	Informational
Ostermeyer, Mark F (MK)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 06:46	No	No	0:05	Informational
Ostermeyer, Sarah N (OS)	QC 22-002 Weather Deviations	8/12/22	8/24/22 - 06:16	No	No	0:05	Informational
Park, Bryan (YU)	QC 22-002 Weather Deviations	8/12/22	8/19/22 - 14:09	No	No	0:05	Informational
Parker, Cristin D (TX)	QC 22-002 Weather Deviations	8/12/22	8/20/22 - 13:57	No	No	0:05	Informational
Parker, Wendy P (ZV)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 17:42	No	No	0:05	Informational
Pascan, Sergiu D (PS)	QC 22-002 Weather Deviations	8/12/22	8/12/22 - 17:18	No	No	0:05	Informational
Patience, Jared J (IA)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 14:30	No	No	0:05	Informational
Penalosa, Michael E (ME)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 15:08	No	No	0:05	Informational
Pereda, Christian (DC)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 09:12	No	No	0:05	Informational
Perez, Edson F (ET)	QC 22-002 Weather Deviations	8/12/22	8/31/22 - 08:30	No	No	0:05	Informational
Piolatto, Michael J (MI)	QC 22-002 Weather Deviations	8/12/22	8/21/22 - 21:32	No	No	0:05	Informational
Plein, Lindsay E (PL)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 15:07	No	No	0:05	Informational
Plendl, Jeffrey A (JP)	QC 22-002 Weather Deviations	8/12/22	8/28/22 - 10:46	No	No	0:05	Informational
Price, Daniel (PC)	QC 22-002 Weather Deviations	8/12/22	8/12/22 - 18:24	No	No	0:05	Informational
Ralph, Jon E (OR)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 14:44	No	No	0:05	Informational
Ramirez, Martin (EZ)	QC 22-002 Weather Deviations	8/12/22	9/1/22 - 09:52	No	No	0:05	Informational
Ray, Stephen M (RA)	QC 22-002 Weather Deviations	8/12/22	8/29/22 - 09:00	No	No	0:05	Informational
Reynoso, Jonathan M (JQ)	QC 22-002 Weather Deviations	8/12/22	8/24/22 - 08:15	No	No	0:05	Informational
Riepma, Nicholas A (TN)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 12:46	No	No	0:05	Informational
Riley, Joel A (JZ)	QC 22-002 Weather Deviations	8/12/22	9/1/22 - 00:00	No	No	0:05	Informational
Robertson, Rajnish J (RO)	QC 22-002 Weather Deviations	8/12/22	8/14/22 - 14:54	No	No	0:05	Informational
Roeker, Cory T (CT)	QC 22-002 Weather Deviations	8/12/22	8/19/22 - 20:29	No	No	0:05	Informational
Roeker, Erin L (EL)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 20:06	No	No	0:05	Informational

Romano, Frank J (FJ)	QC 22-002 Weather Deviations	8/12/22	8/21/22 - 13:04	No	No	0:05	Informational
Rosales, Elda (YQ)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 12:19	No	No	0:05	Informational
Rosier, Kyle A (KS)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 13:17	No	No	0:05	Informational
Rozenberg, Sean (OZ)	QC 22-002 Weather Deviations	8/12/22	8/14/22 - 20:42	No	No	0:05	Informational
Rushing, Adam (ZA)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 07:01	No	No	0:05	Informational
Samuelian, Stephen P (TU)	QC 22-002 Weather Deviations	8/12/22	8/27/22 - 00:00	No	No	0:05	Informational
Sanchez, Hector H (HS)	QC 22-002 Weather Deviations	8/12/22	8/21/22 - 00:00	No	No	0:05	Informational
Schiffer, Wyatt J (WS)	QC 22-002 Weather Deviations	8/12/22	8/14/22 - 14:48	No	No	0:05	Informational
Schildmeier, Gregory E (PH)	QC 22-002 Weather Deviations	8/12/22	8/24/22 - 14:49	No	No	0:05	Informational
Schlegelmilch, Michael D (FO)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 15:14	No	No	0:05	Informational
Schlieper, Kevin C (KY)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 06:00	No	No	0:05	Informational
Schuler, Karl E (KA)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 06:19	No	No	0:05	Informational
Schwartz, Joshua J (BH)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 21:45	No	No	0:05	Informational
Scott, Caitlin V (CY)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 12:31	No	No	0:05	Informational
Serai, Stephanie S (SP)	QC 22-002 Weather Deviations	8/12/22	8/20/22 - 12:21	No	No	0:05	Informational
Shuman, Jennifer L (JU)	QC 22-002 Weather Deviations	8/12/22	8/16/22 - 13:44	No	No	0:05	Informational
Shuman, Tyler J (TS)	QC 22-002 Weather Deviations	8/12/22	8/22/22 - 10:31	No	No	0:05	Informational
Smith, Jacob R (JW)	QC 22-002 Weather Deviations	8/12/22	8/28/22 - 16:47	No	No	0:05	Informational
Snyder, Stephen (SY)	QC 22-002 Weather Deviations	8/12/22	8/18/22 - 07:05	No	No	0:05	Informational
Soto, Ian C (EN)	QC 22-002 Weather Deviations	8/12/22	8/14/22 - 08:19	No	No	0:05	Informational
Soto, Matthew J (MS)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 06:59	No	No	0:05	Informational
Speakman, Erik T (ES)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 13:18	No	No	0:05	Informational
Spitzer, Audrey G (AS)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 13:34	No	No	0:05	Informational
Squire, James (SJ)	QC 22-002 Weather Deviations	8/12/22	8/18/22 - 17:34	No	No	0:05	Informational
Stahley, Adam (IU)	QC 22-002 Weather Deviations	8/12/22	8/20/22 - 12:42	No	No	0:05	Informational
Stephens, Kyle A (RS)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 16:11	No	No	0:05	Informational
Susnitzky, Brett E (ZY)	QC 22-002 Weather Deviations	8/12/22	8/12/22 - 21:00	No	No	0:05	Informational
Thompson, Jonathan L (WT)	QC 22-002 Weather Deviations	8/12/22	8/18/22 - 13:55	No	No	0:05	Informational
Thuet, Lane A (ZL)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 13:40	No	No	0:05	Informational
Todd, Trisha L (TT)	QC 22-002 Weather Deviations	8/12/22	8/24/22 - 06:47	No	No	0:05	Informational
Tomaszewski, Nick (NT)	QC 22-002 Weather Deviations	8/12/22	9/1/22 - 14:07	No	No	0:05	Informational
Treu, Karsten K (KN)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 06:19	No	No	0:05	Informational
True, Donald A (DT)	QC 22-002 Weather Deviations	8/12/22	8/24/22 - 09:48	No	No	0:05	Informational
Tshudy, Matthew P (TY)	QC 22-002 Weather Deviations	8/12/22	8/28/22 - 18:50	No	No	0:05	Informational
Tuminaro, Christopher L (XS)	QC 22-002 Weather Deviations	8/12/22	8/23/22 - 16:59	No	No	0:05	Informational
Tuminaro, David (XL)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 07:38	No	No	0:05	Informational
Vaden, Cherron A (WW)	QC 22-002 Weather Deviations	8/12/22	8/12/22 - 20:33	No	No	0:05	Informational
Valencia, Rafael (RV)	QC 22-002 Weather Deviations	8/12/22	8/28/22 - 13:27	No	No	0:05	Informational
Vandenbergh, Richard (RK)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 16:36	No	No	0:05	Informational
Vera, Lauro (VL)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 07:54	No	No	0:05	Informational
Vetor, Zachary (VZ)	QC 22-002 Weather Deviations	8/12/22	8/16/22 - 18:26	No	No	0:05	Informational
Vo, Kevin T (VO)	QC 22-002 Weather Deviations	8/12/22	9/5/22 - 09:25	No	No	0:05	Informational
Wagner, Aaron N (AM)	QC 22-002 Weather Deviations	8/12/22	8/30/22 - 19:03	No	No	0:05	Informational
Wallace, Darrell (WD)	QC 22-002 Weather Deviations	8/12/22	8/19/22 - 06:15	No	No	0:05	Informational
Wang, Andrew (VR)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 15:53	No	No	0:05	Informational
Whiting, Ryan E (YN)	QC 22-002 Weather Deviations	8/12/22	9/13/22 - 13:06	No	No	0:05	Informational
Willey, Nikki (NJ)	QC 22-002 Weather Deviations	8/12/22	8/20/22 - 12:26	No	No	0:05	Informational
Williams, Christopher D (CA)	QC 22-002 Weather Deviations	8/12/22	8/30/22 - 10:31	No	No	0:05	Informational
Williams, David S (AA)	QC 22-002 Weather Deviations	8/12/22	9/1/22 - 07:00	No	No	0:05	Informational
Williams, Jaclyn R (JO)	QC 22-002 Weather Deviations	8/12/22	9/1/22 - 13:32	No	No	0:05	Informational
Wouters, Micah L (MW)	QC 22-002 Weather Deviations	8/12/22	8/18/22 - 09:36	No	No	0:05	Informational
Yap, Clinton K (YP)	QC 22-002 Weather Deviations	8/12/22	8/13/22 - 07:06	No	No	0:05	Informational
Yepez, Edmundo S (EX)	QC 22-002 Weather Deviations	8/12/22	8/16/22 - 20:09	No	No	0:05	Informational
Zipper, Jonathan (IZ)	QC 22-002 Weather Deviations	8/12/22	8/26/22 - 10:51	No	No	0:05	Informational
Zurita, Manuel (ZZ)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 14:23	No	No	0:05	Informational
Breech, Thomas D (DX)	QC 22-002 Weather Deviations	8/12/22	8/16/22 - 08:36	No	No	0:05	Informational
Fuentes, Amber N (AN)	QC 22-002 Weather Deviations	8/12/22	8/17/22 - 05:47	No	No	0:05	Informational
Salazar, Fernando (EO)	QC 22-002 Weather Deviations	8/12/22	8/15/22 - 13:58	No	No	0:05	Informational
Strickland, Louis W (VQ)	QC 22-002 Weather Deviations	8/12/22	8/24/22 - 09:28	No	No	0:05	Informational
Wollenberg, Bryan N (II)	QC 22-002 Weather Deviations	8/12/22	8/12/22 - 15:53	No	No	0:05	Informational
Kaneshiro, Sheri S (SU)	QC 22-002 Weather Deviations	8/12/22	8/19/22 - 09:21	No	No	0:05	Informational

Assignment Report

Employee	Assignment	Assigned	Completed	Due	Log ELMS	Log TRAX	Training Length	Training Type
Abramson, Matana (ZM)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/5/22 - 15:13	No	Yes	0:30	Refresher	
Acuna, David J (AK)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/14/22 - 00:00	No	Yes	0:30	Refresher	
Alexander, Jonathan L (SA)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/21/22 - 10:23	No	Yes	0:30	Refresher	
Alvarez, Mark A (LA)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/12/22 - 16:26	No	Yes	0:30	Refresher	
Amiel, David Y (AL)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/30/22 - 14:57	No	Yes	0:30	Refresher	
Amiel, Jonathan (SO)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/8/22 - 15:16	No	Yes	0:30	Refresher	
Anderson, Laura K (KL)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 09:07	No	Yes	0:30	Refresher	
Arce, Adolfo (RC)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/15/22 - 14:07	No	Yes	0:30	Refresher	
Arellano, Matthew (MX)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 06:29	No	Yes	0:30	Refresher	
Arture, Joe C (NY)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/26/22 - 09:16	No	Yes	0:30	Refresher	
Ayala, Jeremy (AJ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 15:03	No	Yes	0:30	Refresher	
Badini, Christopher A (CB)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 00:00	No	Yes	0:30	Refresher	
Bannon, Kevin R (KR)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/14/22 - 06:44	No	Yes	0:30	Refresher	
Bardeen, Brock A (BM)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/20/22 - 14:45	No	Yes	0:30	Refresher	
Barragan, Victor (BA)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/8/22 - 10:24	No	Yes	0:30	Refresher	
Barrett, Timothy (AG)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/9/22 - 21:26	No	Yes	0:30	Refresher	
Baum, Remington T (ZB)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/10/22 - 05:39	No	Yes	0:30	Refresher	
Beale, Scott E (SB)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 00:00	No	Yes	0:30	Refresher	
Beck, Robby M (RB)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/7/22 - 09:40	No	Yes	0:30	Refresher	
Becker, James D (JK)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 07:22	No	Yes	0:30	Refresher	
Belcher, Phillip A (ZC)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/9/22 - 16:28	No	Yes	0:30	Refresher	
Bengard, Erik D (EB)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 09:24	No	Yes	0:30	Refresher	
Bickel, Shane A (SS)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/14/22 - 13:21	No	Yes	0:30	Refresher	
Binero, Jamila (ZF)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/11/22 - 06:32	No	Yes	0:30	Refresher	
Bird, Daniel J (IY)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/13/22 - 15:17	No	Yes	0:30	Refresher	
Blackwell, Carlyann L (CR)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/13/22 - 10:41	No	Yes	0:30	Refresher	
Blackwell, Guy S (BW)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 00:00	No	Yes	0:30	Refresher	
Bonanno, Justin J (JJ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/7/22 - 06:12	No	Yes	0:30	Refresher	
Bracy, Yolanda (AO)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/5/22 - 14:45	No	Yes	0:30	Refresher	
Brand, Francesca R (FH)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/19/22 - 06:30	No	Yes	0:30	Refresher	
Breech, Thomas D (DX)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 06:36	No	Yes	0:30	Refresher	
Buckner, Jasmin M (JF)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/9/22 - 09:49	No	Yes	0:30	Refresher	
Burrows, Grant G (GB)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/30/22 - 16:01	No	Yes	0:30	Refresher	
Butch, Shaun A (OA)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/23/22 - 13:02	No	Yes	0:30	Refresher	
Cadotte, Beau J (BD)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/16/22 - 08:00	No	Yes	0:30	Refresher	
Cahal, Michael A (CC)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/22/22 - 16:18	No	Yes	0:30	Refresher	
Carey, Nicolas J (EU)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/28/22 - 15:05	No	Yes	0:30	Refresher	
Carlin, Dustin T (XD)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/13/22 - 14:50	No	Yes	0:30	Refresher	
Carlin, Russell D (AR)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/17/22 - 13:09	No	Yes	0:30	Refresher	
Carpenter, Jonathan A (XJ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/8/22 - 22:19	No	Yes	0:30	Refresher	
Carroll, Anna L (AZ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/14/22 - 21:14	No	Yes	0:30	Refresher	
Carter, Micah (FM)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/8/22 - 07:36	No	Yes	0:30	Refresher	
Casey, Guy M (GC)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/21/22 - 09:50	No	Yes	0:30	Refresher	
Castilleja, Sunny A (SN)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/5/22 - 17:15	No	Yes	0:30	Refresher	
Chang, Jonah I (PZ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/10/22 - 18:09	No	Yes	0:30	Refresher	
Childs, Eric C (EC)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/12/22 - 00:00	No	Yes	0:30	Refresher	
Christie, Philip (PE)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/22/22 - 07:40	No	Yes	0:30	Refresher	
Chung, Charlie J (CJ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/11/22 - 22:05	No	Yes	0:30	Refresher	
Colbenson, Steven J (CS)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/13/22 - 14:55	No	Yes	0:30	Refresher	
Collier, Casey R (KC)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/7/22 - 19:28	No	Yes	0:30	Refresher	
Conley, Austin M (AC)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/27/22 - 19:21	No	Yes	0:30	Refresher	
Cordovano, Charles C (VA)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/17/22 - 00:00	No	Yes	0:30	Refresher	
Coslin, Kristi L (CO)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/13/22 - 13:05	No	Yes	0:30	Refresher	
Couche, Rachel N (VC)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/17/22 - 13:59	No	Yes	0:30	Refresher	
Cuevas, Arthur P (OG)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/10/22 - 20:34	No	Yes	0:30	Refresher	
Cuevas, Felipe (FC)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 15:58	No	Yes	0:30	Refresher	
Decker, James W (OU)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/10/22 - 14:18	No	Yes	0:30	Refresher	
Del Rosario, Raymund D (RD)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/21/22 - 09:20	No	Yes	0:30	Refresher	
Denham, Corey M (CE)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/7/22 - 10:50	No	Yes	0:30	Refresher	
Denmeade, Drew L (DD)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/9/22 - 18:47	No	Yes	0:30	Refresher	
Desio, Kelly L (KD)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/7/22 - 09:35	No	Yes	0:30	Refresher	
Diaz, Coriana L (CD)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/9/22 - 19:33	No	Yes	0:30	Refresher	
Diaz, Victor (KO)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/14/22 - 12:12	No	Yes	0:30	Refresher	
Dijkstra-Nisani, Yolanda G (YO)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/13/22 - 15:01	No	Yes	0:30	Refresher	
Dreher, Bryan W (IC)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/9/22 - 06:57	No	Yes	0:30	Refresher	
Dunlap, Kelli R (FK)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/20/22 - 20:38	No	Yes	0:30	Refresher	
Dunlap, Trevor S (TB)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/12/22 - 10:23	No	Yes	0:30	Refresher	
Elikan, Steven R (SR)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 15:53	No	Yes	0:30	Refresher	

Elliott Iii, James A (MT)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/7/22 - 20:07	No	Yes	0:30	Refresher
Eng, Alyssa K (AE)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/13/22 - 14:53	No	Yes	0:30	Refresher
Estes, Clinton D (KU)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/21/22 - 19:16	No	Yes	0:30	Refresher
Fabarez, Adam J (AF)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/10/22 - 14:14	No	Yes	0:30	Refresher
Felder-Cook, Kortney N (KF)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/14/22 - 01:33	No	Yes	0:30	Refresher
Festerling, Brian D (BZ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/7/22 - 07:15	No	Yes	0:30	Refresher
Fletcher, Sarah J (SK)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/23/22 - 00:00	No	Yes	0:30	Refresher
Flores, Nicholas A (MV)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/7/22 - 13:03	No	Yes	0:30	Refresher
Fragas, Jacqueline M (IX)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 00:00	No	Yes	0:30	Refresher
Fuentes, Rodolfo (RF)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/18/22 - 09:24	No	Yes	0:30	Refresher
Gabbard, Joshua (GD)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/14/22 - 03:48	No	Yes	0:30	Refresher
Gabriel, Colin (CZ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/9/22 - 13:28	No	Yes	0:30	Refresher
Garcia, Walter H (ZU)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/11/22 - 14:03	No	Yes	0:30	Refresher
Garfield, Gillian V (GV)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/27/22 - 13:52	No	Yes	0:30	Refresher
Garland, Brittany R (BT)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 07:04	No	Yes	0:30	Refresher
Garrison, Samantha J (JS)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/11/22 - 15:45	No	Yes	0:30	Refresher
Gatehouse, Christopher C (DJ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/12/22 - 00:00	No	Yes	0:30	Refresher
Gentile, Joshua T (GE)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	9/5/22 - 08:16	No	Yes	0:30	Refresher
Germann, Anthony (TG)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 00:00	No	Yes	0:30	Refresher
Gibbons, Thomas (OE)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 06:03	No	Yes	0:30	Refresher
Gillem, Kevin D (KK)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/20/22 - 12:29	No	Yes	0:30	Refresher
Giovengo, James J (GO)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/18/22 - 10:24	No	Yes	0:30	Refresher
Glanville, Christian S (GZ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/25/22 - 12:57	No	Yes	0:30	Refresher
Goodwin, Thomas W (TJ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/23/22 - 07:23	No	Yes	0:30	Refresher
Graham, Kaleb R (GK)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	9/3/22 - 08:32	No	Yes	0:30	Refresher
Grauer, Amy M (GR)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/21/22 - 17:06	No	Yes	0:30	Refresher
Green, Brandon G (VI)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/11/22 - 11:47	No	Yes	0:30	Refresher
Greer, William A (IM)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 11:03	No	Yes	0:30	Refresher
Grider, Brian M (VV)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/17/22 - 20:21	No	Yes	0:30	Refresher
Griffin, Dylan M (DG)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/14/22 - 21:43	No	Yes	0:30	Refresher
Gross, Marti J (XO)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/26/22 - 15:48	No	Yes	0:30	Refresher
Gunderson, Andrew G (GU)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/12/22 - 21:33	No	Yes	0:30	Refresher
Gunter, Benjamin P (BG)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/18/22 - 00:00	No	Yes	0:30	Refresher
Haberstick, John R (RH)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/18/22 - 12:25	No	Yes	0:30	Refresher
Halcomb, Michael (MP)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 05:34	No	Yes	0:30	Refresher
Hall, Michael (HM)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/9/22 - 06:49	No	Yes	0:30	Refresher
Hamilton, Aurore K (AU)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 15:34	No	Yes	0:30	Refresher
Hanson, Brett J (ZH)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/5/22 - 23:00	No	Yes	0:30	Refresher
Harris, Matthew R (NQ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/17/22 - 14:33	No	Yes	0:30	Refresher
Harris, Sarah L (SZ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/1/22 - 16:48	No	Yes	0:30	Refresher
Harrison, Toninett (BE)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 06:33	No	Yes	0:30	Refresher
Hart, Jeremy M (JG)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/5/22 - 21:14	No	Yes	0:30	Refresher
Hau, Aleck (AH)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 10:48	No	Yes	0:30	Refresher
Hay, Christopher (HA)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/17/22 - 00:00	No	Yes	0:30	Refresher
He, Xinran J (ZN)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/11/22 - 06:35	No	Yes	0:30	Refresher
Headen, Aaron	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 06:32	No	Yes	0:30	Refresher
Hearns, Rodney C (WC)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/18/22 - 12:31	No	Yes	0:30	Refresher
Henry, Erika J (EH)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/18/22 - 23:04	No	Yes	0:30	Refresher
Henry, Larry (LL)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/5/22 - 00:00	No	Yes	0:30	Refresher
Hernandez, Frank G (FX)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/12/22 - 00:00	No	Yes	0:30	Refresher
Holder, Joseph (HH)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/3/22 - 15:20	No	Yes	0:30	Refresher
Holst, Megan (MR)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/10/22 - 20:54	No	Yes	0:30	Refresher
Hongkham, Robert (QQ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/14/22 - 06:57	No	Yes	0:30	Refresher
Horner, Jeffrey (JH)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 14:51	No	Yes	0:30	Refresher
House, Zephaniah (HZ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/8/22 - 13:04	No	Yes	0:30	Refresher
Hugo, Eric (HE)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/8/22 - 20:24	No	Yes	0:30	Refresher
Hurt, Chadwick (CH)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/22/22 - 00:00	No	Yes	0:30	Refresher
Hutson, Jeffrey (HN)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/7/22 - 11:49	No	Yes	0:30	Refresher
Itai, Tayna K (KX)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/5/22 - 20:50	No	Yes	0:30	Refresher
Jackson, Leonard A (LI)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 00:00	No	Yes	0:30	Refresher
Jacobs, Christopher M (CM)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/9/22 - 15:41	No	Yes	0:30	Refresher
Jankowski, Stephen M (ZG)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/28/22 - 14:56	No	Yes	0:30	Refresher
Jansen, Timothy P (TZ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/22/22 - 14:08	No	Yes	0:30	Refresher
Johnson, Elaine (QT)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/5/22 - 22:30	No	Yes	0:30	Refresher
Johnson, Ryan R R (RR)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/16/22 - 13:52	No	Yes	0:30	Refresher
Johnson, Ryan S S (RY)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	9/13/22 - 12:55	No	Yes	0:30	Refresher
Johnston, Dianna L (DI)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/24/22 - 08:15	No	Yes	0:30	Refresher
Jones, Evan C (EV)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/22/22 - 07:45	No	Yes	0:30	Refresher
Jones, Wendell (WJ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/2/22 - 08:34	No	Yes	0:30	Refresher
Josepha, Brian E (BB)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/12/22 - 00:00	No	Yes	0:30	Refresher

Kalista, Anton (AQ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/23/22 - 09:00	No	Yes	0:30	Refresher
Kaneshiro, Sheri S (SU)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 07:36	No	Yes	0:30	Refresher
Karcz, Kara N (NK)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/8/22 - 22:28	No	Yes	0:30	Refresher
Kelley, Charles R (CK)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/20/22 - 00:00	No	Yes	0:30	Refresher
Kelsey, Taylor K (TK)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/5/22 - 14:43	No	Yes	0:30	Refresher
Kledplee, Worasith (NL)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/5/22 - 14:58	No	Yes	0:30	Refresher
Klein, Geoffrey M (JX)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 00:00	No	Yes	0:30	Refresher
Kleinschmidt, Austin K (TD)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/7/22 - 14:51	No	Yes	0:30	Refresher
Kotoff, Aaron A (AX)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/8/22 - 06:42	No	Yes	0:30	Refresher
Kracht, James R (JC)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/18/22 - 00:00	No	Yes	0:30	Refresher
Kroessler, Andrew J (OL)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/23/22 - 08:32	No	Yes	0:30	Refresher
Kuenzi, Daniel (DS)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/12/22 - 20:39	No	Yes	0:30	Refresher
Lacambacal, Christian K (BC)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	9/1/22 - 17:03	No	Yes	0:30	Refresher
Lalputan, Hakeem (HL)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/22/22 - 13:45	No	Yes	0:30	Refresher
Lam, Thomas (TL)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/16/22 - 09:33	No	Yes	0:30	Refresher
Lamanna, Christopher (CW)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/31/22 - 21:05	No	Yes	0:30	Refresher
Lane, Joshua P (CP)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/7/22 - 15:49	No	Yes	0:30	Refresher
Lanphere, Jye D (Jl)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/12/22 - 00:00	No	Yes	0:30	Refresher
Lee, Jessica M (ML)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/14/22 - 07:47	No	Yes	0:30	Refresher
Lemen, Brian J (LE)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 22:15	No	Yes	0:30	Refresher
Leonez Cordova, Jerry J (JE)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/13/22 - 13:14	No	Yes	0:30	Refresher
Livingston, Anders (NA)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/16/22 - 12:21	No	Yes	0:30	Refresher
Lohrman, Joshua A (OP)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/24/22 - 09:10	No	Yes	0:30	Refresher
Lopez, Miguel T (EM)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 15:02	No	Yes	0:30	Refresher
Lott Iii, Michael J (CX)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/5/22 - 14:45	No	Yes	0:30	Refresher
Lowe, Lydia (LY)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/7/22 - 13:49	No	Yes	0:30	Refresher
Lowther, Timothy S (GS)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/7/22 - 13:08	No	Yes	0:30	Refresher
Mahan, Sean (MA)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/22/22 - 10:28	No	Yes	0:30	Refresher
Maita, Vincent V (VM)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/10/22 - 00:00	No	Yes	0:30	Refresher
Malarchick, Nathan (MF)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/27/22 - 07:17	No	Yes	0:30	Refresher
Malerbi, Terri D (XT)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/8/22 - 13:47	No	Yes	0:30	Refresher
Mancinelli, Michelle (XN)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/20/22 - 10:28	No	Yes	0:30	Refresher
Marinas, Karena (PU)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/21/22 - 14:00	No	Yes	0:30	Refresher
Martinez, Carmen V (CV)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/7/22 - 22:09	No	Yes	0:30	Refresher
Martinez, Maximo L (MM)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 00:00	No	Yes	0:30	Refresher
Matsumoto, Christopher F (CN)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 00:00	No	Yes	0:30	Refresher
Mattei, Damien A (DA)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/16/22 - 15:27	No	Yes	0:30	Refresher
Mauldin, Trent R (TR)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/10/22 - 13:30	No	Yes	0:30	Refresher
Mccann, Weston J (JM)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/8/22 - 13:22	No	Yes	0:30	Refresher
Mccants, Kevin (KJ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/4/22 - 15:47	No	Yes	0:30	Refresher
Mcintosh, Justin L (MD)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/5/22 - 19:34	No	Yes	0:30	Refresher
Mcnelley, Matthew J (MY)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 00:00	No	Yes	0:30	Refresher
Mendez, Anthony M (OJ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/8/22 - 12:59	No	Yes	0:30	Refresher
Meredith, Kyle J (KM)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/12/22 - 13:10	No	Yes	0:30	Refresher
Meuleners, Janessa M (NO)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/11/22 - 14:14	No	Yes	0:30	Refresher
Meyer, Brandi M (WP)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/12/22 - 00:00	No	Yes	0:30	Refresher
Meyers, Ty (TI)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/13/22 - 09:48	No	Yes	0:30	Refresher
Mikhaylov, Leana Y (YM)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/23/22 - 09:35	No	Yes	0:30	Refresher
Miller, Keith A (XM)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/5/22 - 16:06	No	Yes	0:30	Refresher
Mondragon-Valencia, Isidro (TA)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/23/22 - 00:00	No	Yes	0:30	Refresher
Moon, Terri L (MO)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/18/22 - 12:32	No	Yes	0:30	Refresher
Moreno, Tracy (TM)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/14/22 - 13:30	No	Yes	0:30	Refresher
Moss, Gerrit L (GM)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/7/22 - 06:06	No	Yes	0:30	Refresher
Munoz, Daniel J (DM)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/7/22 - 18:46	No	Yes	0:30	Refresher
Murawski, David S (CU)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/13/22 - 14:34	No	Yes	0:30	Refresher
Murdy, Daniel R (DR)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 00:00	No	Yes	0:30	Refresher
Naber, William (WN)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 14:46	No	Yes	0:30	Refresher
Nesmith, Andrew (AP)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/8/22 - 15:33	No	Yes	0:30	Refresher
Nguyen, Harrison T (BF)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/13/22 - 07:55	No	Yes	0:30	Refresher
Nguyen, Minh T (VN)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/31/22 - 20:46	No	Yes	0:30	Refresher
Norr, Garrett J (GJ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/15/22 - 05:41	No	Yes	0:30	Refresher
Ortiz, Jorge R (JD)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/11/22 - 08:24	No	Yes	0:30	Refresher
Osenkowski, Ryan E	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/26/22 - 16:00	No	Yes	0:30	Refresher
Ostermeyer, Mark F (MK)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 14:43	No	Yes	0:30	Refresher
Ostermeyer, Sarah N (OS)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/7/22 - 14:46	No	Yes	0:30	Refresher
Park, Bryan (YU)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 11:29	No	Yes	0:30	Refresher
Parker, Cristin D (TX)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/7/22 - 07:05	No	Yes	0:30	Refresher
Parker, Wendy P (ZV)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 15:10	No	Yes	0:30	Refresher
Pascan, Sergiu D (PS)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/13/22 - 16:18	No	Yes	0:30	Refresher
Patience, Jared J (IA)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/16/22 - 13:57	No	Yes	0:30	Refresher

Penalosa, Michael E (ME)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/12/22 - 00:00	No	Yes	0:30	Refresher
Pereda, Christian (DC)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/22/22 - 11:15	No	Yes	0:30	Refresher
Perez, Edson F (ET)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/31/22 - 08:27	No	Yes	0:30	Refresher
Piolatto, Michael J (MI)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/17/22 - 13:45	No	Yes	0:30	Refresher
Plein, Lindsay E (PL)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/14/22 - 06:20	No	Yes	0:30	Refresher
Plendl, Jeffrey A (JP)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/13/22 - 07:00	No	Yes	0:30	Refresher
Price, Daniel (PC)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/7/22 - 20:35	No	Yes	0:30	Refresher
Ralph, Jon E (OR)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 09:03	No	Yes	0:30	Refresher
Ramirez, Martin (EZ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/12/22 - 00:00	No	Yes	0:30	Refresher
Ray, Stephen M (RA)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/18/22 - 13:13	No	Yes	0:30	Refresher
Rebar, Linda M (LR)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/19/22 - 00:00	No	Yes	0:30	Refresher
Reynoso, Jonathan M (JQ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/24/22 - 08:18	No	Yes	0:30	Refresher
Riccardi, Christian (JR)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/25/22 - 14:05	No	Yes	0:30	Refresher
Riepma, Nicholas A (TN)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 19:02	No	Yes	0:30	Refresher
Riley, Joel A (JZ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	9/1/22 - 00:00	No	Yes	0:30	Refresher
Robertson, Rajnish J (RO)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/10/22 - 14:49	No	Yes	0:30	Refresher
Roeker, Cory T (CT)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/19/22 - 20:33	No	Yes	0:30	Refresher
Roeker, Erin L (EL)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/16/22 - 20:05	No	Yes	0:30	Refresher
Romano, Frank J (FJ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/9/22 - 10:24	No	Yes	0:30	Refresher
Rosales, Elda (YQ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/8/22 - 13:34	No	Yes	0:30	Refresher
Rosier, Kyle A (KS)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/8/22 - 13:03	No	Yes	0:30	Refresher
Routh, Alex M (AV)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/13/22 - 07:07	No	Yes	0:30	Refresher
Rozenberg, Sean (OZ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/11/22 - 19:45	No	Yes	0:30	Refresher
Rushing, Adam (ZA)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/14/22 - 12:32	No	Yes	0:30	Refresher
Salazar, Fernando (EO)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 07:33	No	Yes	0:30	Refresher
Samuelian, Stephen P (TU)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/27/22 - 00:00	No	Yes	0:30	Refresher
Sanchez, Hector H (HS)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 13:18	No	Yes	0:30	Refresher
Schiffer, Wyatt J (WS)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 00:00	No	Yes	0:30	Refresher
Schildmeier, Gregory E (PH)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/5/22 - 14:47	No	Yes	0:30	Refresher
Schlegelmilch, Michael D (FO)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/13/22 - 15:15	No	Yes	0:30	Refresher
Schlieper, Kevin C (KY)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 06:47	No	Yes	0:30	Refresher
Schmidt, Lillian (SC)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/10/22 - 10:00	No	Yes	0:30	Refresher
Schoelen, Michael F (OC)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/7/22 - 07:52	No	Yes	0:30	Refresher
Schuler, Karl E (KA)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/9/22 - 12:21	No	Yes	0:30	Refresher
Schwartz, Joshua J (BH)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/5/22 - 14:46	No	Yes	0:30	Refresher
Scott, Caitlin V (CY)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/15/22 - 14:00	No	Yes	0:30	Refresher
Scott, Jason R (JL)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/7/22 - 07:55	No	Yes	0:30	Refresher
Seong, Kevin (KV)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/13/22 - 15:12	No	Yes	0:30	Refresher
Serai, Stephanie S (SP)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/8/22 - 07:26	No	Yes	0:30	Refresher
Shuman, Jennifer L (JU)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/13/22 - 08:34	No	Yes	0:30	Refresher
Shuman, Tyler J (TS)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/8/22 - 21:05	No	Yes	0:30	Refresher
Smith, Jacob R (JW)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/15/22 - 18:40	No	Yes	0:30	Refresher
Snaer, Marc A (MZ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/12/22 - 00:00	No	Yes	0:30	Refresher
Snyder, Stephen (SY)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/12/22 - 12:42	No	Yes	0:30	Refresher
Soto, Ian C (EN)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/19/22 - 07:38	No	Yes	0:30	Refresher
Soto, Matthew J (MS)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/12/22 - 13:20	No	Yes	0:30	Refresher
Sparks, John R (JN)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/22/22 - 20:05	No	Yes	0:30	Refresher
Speakman, Erik T (ES)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/8/22 - 14:20	No	Yes	0:30	Refresher
Spitzer, Audrey G (AS)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 20:04	No	Yes	0:30	Refresher
Squire, James (SJ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/10/22 - 13:30	No	Yes	0:30	Refresher
Stahley, Adam (IU)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/20/22 - 12:43	No	Yes	0:30	Refresher
Stephens, Kyle A (RS)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/13/22 - 07:51	No	Yes	0:30	Refresher
Strickland, Louis W (VQ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/11/22 - 09:03	No	Yes	0:30	Refresher
Susnitzky, Brett E (ZY)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/9/22 - 17:19	No	Yes	0:30	Refresher
Thompson, Jonathan L (WT)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/7/22 - 12:27	No	Yes	0:30	Refresher
Thuet, Lane A (ZL)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/13/22 - 14:53	No	Yes	0:30	Refresher
Tison, John (DE)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/22/22 - 00:00	No	Yes	0:30	Refresher
Todd, Trisha L (TT)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/5/22 - 14:43	No	Yes	0:30	Refresher
Tomaszewski, Nick (NT)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/14/22 - 09:32	No	Yes	0:30	Refresher
Treu, Karsten K (KN)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/21/22 - 13:16	No	Yes	0:30	Refresher
True, Donald A (DT)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/12/22 - 17:12	No	Yes	0:30	Refresher
Tshudy, Matthew P (TY)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/12/22 - 11:37	No	Yes	0:30	Refresher
Tuminaro, Christopher L (XS)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/23/22 - 17:01	No	Yes	0:30	Refresher
Tuminaro, David (XL)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/14/22 - 12:25	No	Yes	0:30	Refresher
Turkmen, Ozgur S (OT)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/27/22 - 12:34	No	Yes	0:30	Refresher
Vaden, Cherron A (WW)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/16/22 - 15:20	No	Yes	0:30	Refresher
Valencia, Rafael (RV)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/9/22 - 18:54	No	Yes	0:30	Refresher
Vandenberg, Richard (RK)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 20:03	No	Yes	0:30	Refresher
Vera, Lauro (VL)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/13/22 - 15:05	No	Yes	0:30	Refresher
Vetor, Zachary (VZ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/8/22 - 06:37	No	Yes	0:30	Refresher

Viscovich, Joseph A (VI)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/13/22 - 13:33	No	Yes	0:30	Refresher
Vo, Kevin T (VO)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/8/22 - 14:58	No	Yes	0:30	Refresher
Wagner, Aaron N (AM)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/5/22 - 14:59	No	Yes	0:30	Refresher
Wagoner, Tanner H (TW)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/16/22 - 11:33	No	Yes	0:30	Refresher
Wallace, Darrell (WD)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 15:10	No	Yes	0:30	Refresher
Wang, Andrew (VR)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/16/22 - 13:41	No	Yes	0:30	Refresher
Weaver, Kito A (KG)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/8/22 - 06:54	No	Yes	0:30	Refresher
White, Andrew J (AI)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 00:00	No	Yes	0:30	Refresher
Whiting, Ryan E (YN)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/22/22 - 14:57	No	Yes	0:30	Refresher
Willey, Nikki (NJ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/14/22 - 21:05	No	Yes	0:30	Refresher
Williams, Christopher D (CA)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/29/22 - 07:09	No	Yes	0:30	Refresher
Williams, David S (AA)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/24/22 - 00:00	No	Yes	0:30	Refresher
Williams, Jaclyn R (JO)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	9/1/22 - 08:00	No	Yes	0:30	Refresher
Wollenberg, Bryan N (II)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/7/22 - 18:19	No	Yes	0:30	Refresher
Wouters, Micah L (MW)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	8/18/22 - 09:38	No	Yes	0:30	Refresher
Yap, Clinton K (YP)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 00:00	No	Yes	0:30	Refresher
Yepez, Edmundo S (EX)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/19/22 - 00:00	No	Yes	0:30	Refresher
Zimmerman, Jared (ZI)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/10/22 - 16:21	No	Yes	0:30	Refresher
Zipper, Jonathan (IZ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/10/22 - 13:50	No	Yes	0:30	Refresher
Zurita, Manuel (ZZ)	LSC-22-003 WEATHER DISSEMINATION	7/5/22	7/6/22 - 06:28	No	Yes	0:30	Refresher