

**Pacific Approvals Registry and Monitoring Organization (PARMO)
Report of Large Height Deviation (LHD)/Large Lateral Deviation (LLD)/Large Longitudinal Error (LLE)**

Plain Language Definitions

An LHD is defined as any vertical deviation of 90 metres/300 feet or more from the flight level expected to be occupied by the flight.

An LLD is defined as any lateral deviation of 10NM or more from the current flight plan track.

An LLE is defined as any unexpected change of 2 minutes/10NM or more in longitudinal separation between an aircraft pair, or for an individual aircraft, a difference of 2 minutes or more between an estimate time over (ETO) for a given fix and the actual time over that fix.

Examples of events to report.

Event Type	Operational Errors	Contingency Events	Weather / Turbulence	TCAS Events
Large Height Deviation (LHD)	<ul style="list-style-type: none"> – Flight crew not following correct ATC clearance – ATC issues an erroneous clearance – Error in transfer of control responsibility between two ATC units 	Pilot cannot follow normal contingency procedures, forced to climb/descend through flight levels before diverting from track	Deviation due to effect of high level meteorological conditions	<ul style="list-style-type: none"> – Flight crew correctly following TCAS RA – Flight crew incorrectly following TCAS RA – Any vertical displacement not conforming to the RA
Large Lateral Deviation (LLD)	<ul style="list-style-type: none"> – Flight crew following filed flight plan and not cleared route – Flight crew not following ATC clearance – ATC issues an erroneous clearance 	Flight crew deviates from cleared route without notifying ATC or without ATC clearance	Flight crew deviates from cleared route to avoid severe weather without notifying ATC or without ATC clearance	May not applicable (TCAS RA are vertical maneuvers)
Large Longitudinal Error (LLE)	<ul style="list-style-type: none"> – Flight crew failure to provide ATC with updated ETO next waypoint – ATC issues an erroneous clearance resulting in a loss of longitudinal separation 	Flight crew changes aircraft speed due to emergency without notifying ATC	Flight crew changes aircraft speed due to weather without notifying ATC	May not applicable (TCAS RA are vertical maneuvers)

Please complete Sections I through III as appropriate.

SECTION I:

There were no reports of LLDs or LLEs for the month of [Click here to enter text.](#)

SECTION II:

There was/were [Click here to enter text.](#) report(s) of LHD

There was/were [Click here to enter text.](#) report(s) of LLD

There was/were [Click here to enter text.](#) report(s) of LLE

Details of the LHDs, LLDs and LLEs are attached.

(Please use a separate form for each report of lateral deviation or longitudinal error)

SECTION III:

When complete, please forward the report(s) to:

William J Hughes Technical Center (WJHTC)

Pacific Approvals Registry and Monitoring Organization (PARMO) (ANG-E61)

Atlantic City International Airport

Atlantic City, New Jersey 08405

USA

E-Mail: parmo@faa.gov

NAVIGATION ERROR INVESTIGATION FORM

To be completed by responsible officer in the Service Provider (*and aircraft owner/operator if necessary*)

ATC Unit Observing Error:
Date/Time (UTC):
Reporting Agency:
Type of Error: <input type="checkbox"/> LHD <input type="checkbox"/> LLD <input type="checkbox"/> LLE

Aircraft and Flight Plan Information

	First Aircraft	Second Aircraft (<i>if applicable</i>)
Aircraft Identification:		
Aircraft Operator:		
Aircraft Registration:		
Aircraft Type:		
Departure Point:		
Destination:		
Route Segment:		
Cleared Track:		
Flight plan item 10:		
Flight plan item 18:		
Sub-portion of airspace, such as established route system: (<i>if applicable</i>)		

Event Information

Loss of separation:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Loss amount:
Position where error was observed: (<i>LAT/LONG</i>):		Airspace Fix where error occurred :
Assigned Flight Level:		Observed Flight Level:
Estimated time over waypoint:		Observed time over waypoint:
Deviation amount – magnitude: (<i>Feet for vertical error; NM for lateral error; minute or NM for longitudinal error</i>)		
Approximate Duration of Deviation: (minutes)		

Event Description

Were the supervisors of the transferring and receiving ACCs advised of this LHD occurrence? <div style="text-align: center;"> <input type="checkbox"/> Yes <input type="checkbox"/> No </div>

Narrative/Description of Event:

Action taken by ATC:

Other comments:

**** (Please Attach ATS Flight Plan)**