

# Add Actual Departure Reference Data

<b>CR Number (ID): 130</b>		<b>Submission Date: 9/22/2021</b>	
<b>GENERAL INFORMATION (AUTHOR TO COMPLETE)</b>			
Author	FAA FIXM Development Team		
Brief Description (Subject)	Add additional information identifying what type of departure time is being referenced (off blocks, wheels-off, etc.) as well as the exact position where it occurred.		
Priority*	<input type="checkbox"/> Immediate	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium <input type="checkbox"/> Low
Scale*	<input type="checkbox"/> Major	<input type="checkbox"/> Medium	<input checked="" type="checkbox"/> Minor
Expected Impact to Implementers*	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input checked="" type="checkbox"/> Low <input type="checkbox"/> None
Target FIXM Component(s)	<input checked="" type="checkbox"/> FIXM Logical Model <input type="checkbox"/> FIXM Application <input checked="" type="checkbox"/> FIXM XML Schemas <input type="checkbox"/> Other Specify...		
Target FIXM Release	<input checked="" type="checkbox"/> FIXM Core Version 4.3.0 <input type="checkbox"/> Application Version		
Related FIXM CRs			
Motivation / Change Reason	<input checked="" type="checkbox"/> Requirement <input type="checkbox"/> Functionality/Operability <input type="checkbox"/> Maintenance <input type="checkbox"/> Defect <input type="checkbox"/> Other Specify ...		

\* Optional fields; FIXM Secretariat may update during review

## MOTIVATION / CHANGE REASON DESCRIPTION (AUTHOR TO COMPLETE)

Support new requirement from the FF-ICE IG section B-2.43.1: "The point on the departure aerodrome to which the departure time refers. The point is identified using and [sic] the appropriate trajectory point property, such as Off-Blocks or Wheels-Off, and may include its geographical position."

## PROPOSED CHANGE (AUTHOR TO COMPLETE)

Create a new class called `ActualTimeOfDeparture` in the `Departure` package with the following definition: “The time, type of time (wheels-off, off blocks, etc.), and geographical position of the departure. [FIXM]”.

Change the `actualTimeOfDeparture` attribute of the `Departure` class in the `Departure` package to an association to the new class with the same definition as the class.

Add two attributes to the new `ActualTimeOfDeparture` class in the `Departure` package:

Name: “position”

Type: `GeographicalPosition`

Definition: “The geographical position associated with the actual time of departure. [FIXM]”

Name: “time”

Type: `Time`

Definition: “The actual time of departure from the aerodrome. [ICAO Doc 4444, Appendix 3, Field Type 13]”

Add a new class to the `Departure` package:

Name: “`DepartureTimeType`”

Definition: “The type of departure time represented. [FIXM]”

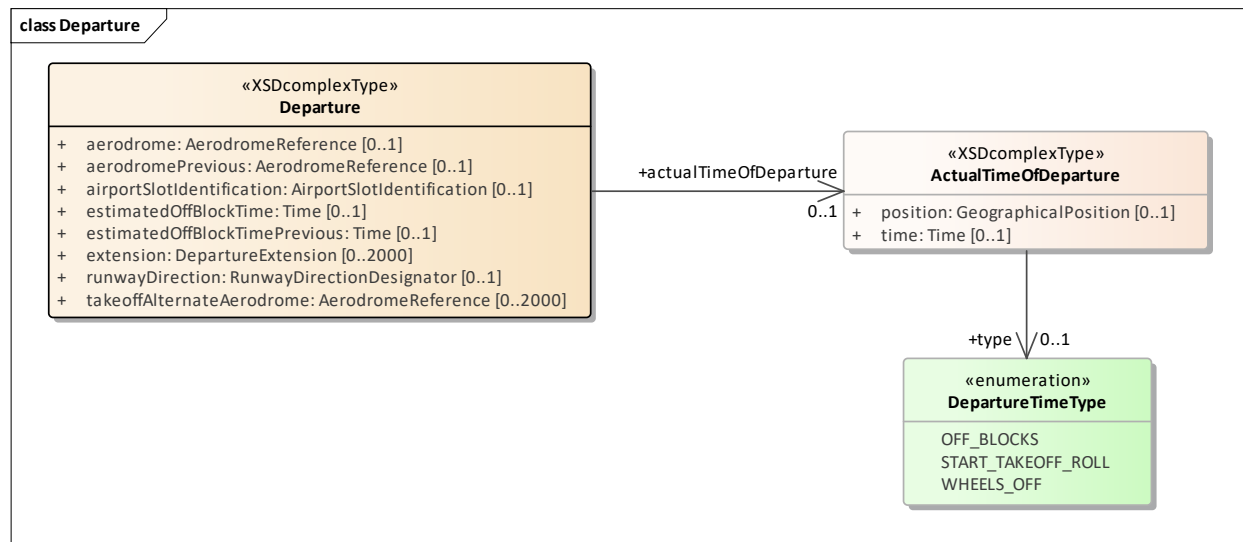
Base Type: `TrajectoryPointPropertyType`

Pattern: Retain only `OFF_BLOCKS`, `START_TAKEOFF_ROLL`, and `WHEELS_OFF` enumerated values

Add a new association between the new `ActualTimeOfDeparture` class and the new `DepartureTimeType` class in the `Departure` package:

Name: “type”

Definition: “The type of departure time represented. [FIXM]”



CCB SECRETARIAT	
External Standard Consistency Checked	<input type="checkbox"/> AIDX <input type="checkbox"/> AIRM
CR Status	<input checked="" type="checkbox"/> Proposed <input type="checkbox"/> Implemented <input type="checkbox"/> Withdrawn <input type="checkbox"/> Rejected
Decision Date	Click or tap to enter a date
Implemented In	X.X.X
Comments	Click or tap here to add any additional information or comments.

## IMPLEMENTATION NOTES (CCB SECRETARIAT TO COMPLETE)

Added extension hook to ActualTimeOfDeparture class and the ActualTimeOfDepartureExtension to the Extension package.