

Draft 4 of Supplement 23 Proposal

Location: Virtual Meeting October 4-7, 2021

ADD OFFICE OF PRIMARY RESPONSIBILITY

V.0

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			S	UMMA	RY				
	proposing /Approaches	add	the	office	of	primary	responsibility	(OPR)	to

1.0 INTRODUCTION/ BACKGROUND

The Type 1 database suppliers send us the civilian and military procedures in the same NavDB. For example, the King Salmon (PAKN) airport has two ILS procedures to RW12; one which has a FAA OPR and the other has a US Air Force (USAF) OPR.

KING SALMON, AL	ASKA			AL-1237 (FAA)	21112
LOC/DME I-AKN <u>110.3</u> Chan 40	APP CRS 121°	Rwy Idg TDZE Apt Elev	8501 62 73	I	LS Y or LOC Y RWY 12 KING SALMON (AKN)(PAKN)
			E:		
			0	ure 1: PAKN II2-Y FAA	
KING SALMON, AL	ASKA	D Li			LS Z or LOC Z RWY 12
110.3 Chan 40	APCH CRS 121°	TDZE Arpt Elev	62	AL-1237 [USAF]	KING SALMON (PAKN)

Figure 2: PAKN I12-Y USAF

This will be sent to us in the ARINC 424 database without any indication of which is the civilian versus military OPR.

2.0 DISCUSSION and/or ACTION

Garmin proposes to add a new office of primary responsibility (OPR) field to the SID/STAR/Approach records to distinguish the civilian versus military designed procedures.

3.0 Legacy ARINC 424 changes as depicted (Track Changes is Helpful)

3.1 Update Chapter 4, Table 4.1.9.2:

3.1.1 Add OPR

4.1.9.2 Airport SID/STAR/Approach Primary Extension Continuation Records

Column	Field Name (Length)	Reference
111	Special Indicator	5.37
112 -thru 115	Reserved (14)	
113	OPR	5.###
114 thru 115	Reserved (2)	
116 thru 118	Vertical Scale Factor	5.293

3.2 Update Chapter 4, Table 4.2.3.2:

3.2.1 Add OPR

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Column	Field Name (Length)	Reference
111	Special Indicator	5.37
112 -thru-115	Reserved (14)	
113	OPR	5.###
114 thru 115	Reserved (2)	
116 thru 118	Vertical Scale Factor	5.293

4.2.3.2 Heliport SID/STAR/Approach Primary Extension Continuation Records

3.3 Update Chapter 5, Field Definitions: Add new field definition for OPR

5.### Office of Primary Responsibility (OPR)

Definition/Description: The Office of Primary Responsibility (OPR) indicates if the procedure was designed by a civilian or military organization.

Source/Content: The OPR is derived from official government source. The OPR shall be packed in at least one Primary Extension record per procedure. If the Primary Extension record is output more than once on a procedure, the OPR value shall always be the same value.

Field Content	Definition
С	Civilian OPR (e.g. FAA)
М	Military OPR (e.g. USAF, USN, USA)

Used On:	SID/STAR/APP Continuation (Primary Ext)
Length:	1 character
Character Type:	Alpha
Examples:	С, М

4.0 XML ARINC 424 changes as depicted (Track Changes is Helpful)

- Jira Ticket: <u>ARINC-272</u>
- Git Feature Branch: <u>feature/ARINC-272-add-opr</u>
- Summary of changes:
- 4.1 Update Enumerations.xsd:
 - 4.1.1 Add simpleType "OPR" with two enumerations: Civilian & Military

5087	5087	
	5088 +	<xs:simpletype name="OPR"></xs:simpletype>
	5089 +	<xs:annotation></xs:annotation>
	5090 +	<xs:documentation>The Office of Primary Responsibility ("OPR") field indicates if</xs:documentation>
	5091 +	
	5092 +	<pre><xs:restriction base="xs:string"></xs:restriction></pre>
	5093 +	<xs:enumeration value="Civilian"></xs:enumeration>
	5094 +	<xs:annotation></xs:annotation>
	5095 +	<pre><xs:documentation>Civilian OPR (e.g. FAA)</xs:documentation></pre>
	5096 +	
	5097 +	
	5098 +	<xs:enumeration value="Military"></xs:enumeration>
	5099 +	<xs:annotation></xs:annotation>
	5100 +	<xs:documentation>Military OPR (e.g. USAF, USN, USA)</xs:documentation>
	5101 +	
	5102 +	
	5103 +	
	5104 +	
5088	5105	

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Figure 3: XML Changes to Enumerations.xsd

- 4.2 Update SIDSTARApproach.xsd:
 - 4.2.1 Add "opr" element as OPR enumeration

59	
70	
71 +	<pre><xs:element maxoccurs="1" minoccurs="0" name="opr" type="enum:OPR"></xs:element></pre>
72 +	<xs:annotation></xs:annotation>
73 +	<xs:documentation>The Office of Primary Responsibility (OPR) indicates if</xs:documentation>
74 +	
75 +	
76	
77	<xs:attribute name="referenceId" type="xs:ID" use="required"></xs:attribute>
78	

Figure 4: XML Changes to SIDSTARApproach.xsd