ARINC 424 NDB
Draft 4 of Supplement 23
Proposal

Location: Virtual Meeting
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INCREASE RUNWAY WIDTH TO FOUR CHARACTERS

V.0

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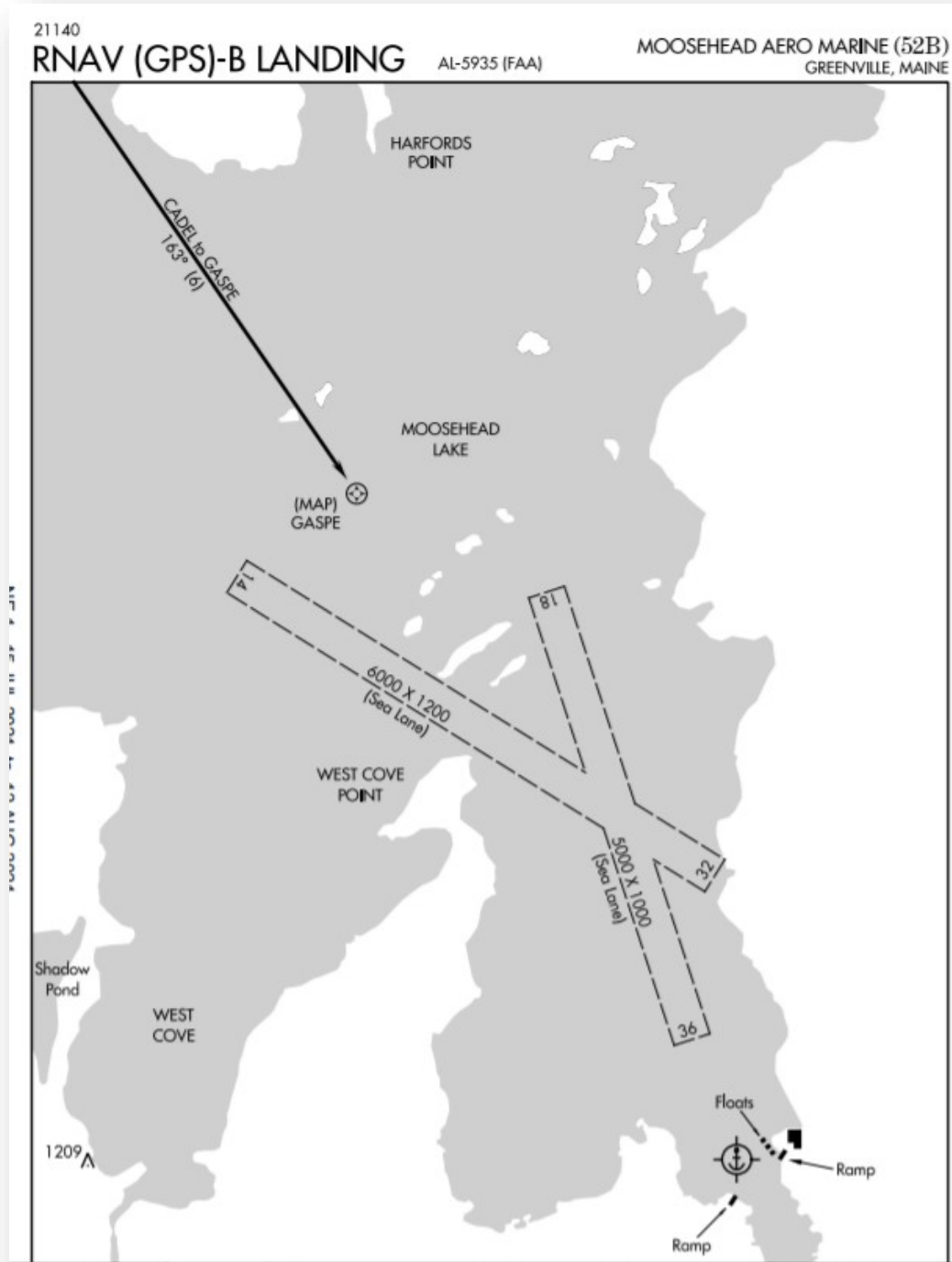| SUMMARY |
|---|
| Garmin is proposing to increase the runway width to four characters |

1.0   INTRODUCTION/ BACKGROUND

The current Runway Width (5.109) field is three characters long with a range of 0 FT through 999 FT. This works for most of the landing surfaces in the world, but a few of the FAA's water runways are wider than 999 FT.

Example: Moosehead Aero Marine (52B):
- 14W/32W: 6000 X 1200
- 18W/36W: 5000 X 1000

2.0 DISCUSSION and/or ACTION

Garmin proposes to expand the Runway Width (5.109) field to four characters to support widths greater than 999 FT.

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

3.1 Update Chapter 4, Table 4.1.10.1:

      3.1.1   Update Runway Width to four characters

4.1.10.1 Runway Primary Records

Column	Field Name (Length)	Reference
…		
72 thru 75	Displaced Threshold Distance (4)	5.68
76 ~~thru 77~~	Blank Spacing (~~1~~2)	
~~78~~ 77 thru 80	Runway Width (~~3~~4)	5.109
81	TCH Value Indicator	5.270
…		

3.2 Update Chapter 5, Field Definition 5.109:

5.109 Runway Width (WIDTH)

Definition/Description: The width of the runway identified in the Runway Identifier field is specified in the Runway Width field.

Source/Content: Runway widths derived from Official Government Sources are entered into the field in feet, with a resolution of one foot. For runways of variable width, the minimum width encountered over the runway length will be entered.

Used On: Runway records
Length: ~~3~~ 4 characters
Character Type: Numeric
Examples: ~~150~~**0150**, ~~300~~**0300**, ~~075~~**0075, 1200**

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

N/A