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INFORMATION
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CHANGES TO THE RNAV WAYPOINT NAMING CONVENTION

1. INTRODUCTION

- 1.1 The purpose of this AIC is to notify the aviation industry of the upcoming changes to the RNAV waypoint naming convention that are used in Instrument Approach procedures in the Australian FIR.

2. NEW NAMING CONVENTION

- 2.1 The proposed changes were outlined earlier in 2020 to industry and the feedback has been reviewed. A safety risk assessment has been completed on the changes and it has been determined to progress ahead with the new RNAV waypoint naming convention.
- 2.2 The RNAV waypoints that are used in Instrument Approach procedures will now follow the new naming convention as below.
- a) The first two letters are assigned for a given location and will be used for waypoints used in RNAV Instrument Approach procedures. These first two letters would remain static for a given location. These two letters could be taken from the aerodrome location code, NAVAID or another combination. These characters aren't used in normal pilot communications.
 - b) The third letter is replaced by a digit starting from 2, excluding 0 and 1. When the instrument approach procedure is revised and deemed necessary to change waypoint names, the number can be changed from 2 to 3, 3 to 4 etc.
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- c) The fourth and fifth letter still follow the current convention of indicating the true direction from which the procedure approaches and the fix type respectively. This is to ensure that they correlate with current pilot operational procedures for radio telephony, direction and waypoint sequence.
- d) For Instrument Approach procedures at parallel RWY (e.g. YSSY and YBBN), one of the parallel Instrument Approach procedures will be assigned pronounceable five-letter-name-code (5LNC) to avoid duplication within the terminal area.

3. EXAMPLE

- 3.1 The following is an example of how the proposed new ident will be changed to:

New name	Current name	Latitude	Longitude
AR2EA	ARMEA	302110.22S	1514624.48E
AR2EB	ARMEB	302326.41S	1515230.10E
AR2EC	ARMEC	302910.90S	1515207.71E
AR2EF	ARMEF	302842.83S	1514239.70E
AR2EI	ARMEI	302604.72S	1514735.03E
AR2EM	ARMEM	303120.69S	1513744.26E
AR2ET	ARMET	303331.78S	1513520.99E
AR2WD	ARMWD	304216.02S	1512733.89E
AR2WE	ARMWE	303958.27S	1512127.54E
AR2WF	ARMWF	303444.38S	1513120.68E
AR2WG	ARMWG	303414.34S	1512152.10E
AR2WH	ARMWH	302922.73S	1513925.24E
AR2WI	ARMWI	303721.42S	1512624.24E
AR2WM	ARMWM	303207.15S	1513616.86E

4. RADIOTELEPHONY

- 4.1 There is no change to the radiotelephony process associated with the waypoint name change.
- 4.2 The current convention to address the waypoints in radiotelephony is by airport and last two characters phonetically spelt. With the waypoint name change to AR2EA – it will still be addressed in the same way.
- ARMEA - Armidale Echo Alpha.
 - AR2EA - Armidale Echo Alpha.

5. IMPLEMENTATION TIMELINE

- 5.1 The number of instrument approach procedure charts that will be changed to the new waypoint naming convention will be limited to 60-80 charts effective every 3 months coinciding with the AIP DAP publication cycle.
- 5.2 Due to this limitation it is expected that this work will continue for the next 5-6 years, with the first changes expected to be published from DAP Amendment 166, effective 25 March 2021.

6. CANCELLATION

- 6.1 This AIC will remain published until the work of renaming the waypoints has been completed.

7. DISTRIBUTION

- 7.1 Airservices Australia website only.
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