Bristol Airport
ACP-2022-037 – SID Substitution
Assessment Meeting – 20 June 2022

Bristol Airport
Amazing journeys start here

Background

- NERL are withdrawing numerous legacy assets across the country as part of the DVOR rationalisation programme

- The DVOR identified in the withdrawal programme that will affect Bristol Airport is the Brecon (DVOR) which is due to be decommissioned on 31st December 2022

- At February's AOA meeting and subsequent meeting with Bristol Airport in March, ▮▮▮▮▮▮▮▮ provided guidance on mitigating this removal by following CAP1781 as an interim measure until PBN is implemented (currently progressing with Bristol Airports FASI(S) ACP)

- Following CAP1781 an Impact Assessment was conducted to consider the impact of the Brecon DVOR withdrawal and the mitigation options available

- The Assessment concluded with a recommendation of a preferred solution to resolve the impact by following CAP1781 guidance to utilise RNAV Substitution of BCN dependent SIDS (BCN/EXMOR), through an interim measure of aircraft FMS coding, thus allowing airlines to continue flying existing profiles without the ground based asset

- Impact Assessment was submitted to the CAA and approval to proceed was granted

- A Statement of Need was submitted in May 2022 to progress

Affected Publications & Procedures

Procedures

The withdrawal of the Brecon DVOR affects the following Bristol Airport Instrument Flight procedures:

- EGGD 5-1 : ATC SMAC
- EGGD 6-1 : BCN 1X and 1Z SIDs
- EGGD 6-2 : BADIM 1X and WOTAN 1Z SIDs
- EGGD 6-3 : EXMOR 1X and 1Z SIDs

Publications

The withdrawal of the Brecon DVOR affects the following Bristol AIP Publications

- EGGD 2.19 : Radio navigation Aids 3.2

Affected Publications & Procedures

- **EGGD 5-1: ATC Surveillance Minimum Altitude Chart**

The ATC SMAC contains a pictorial depiction of the BCN VOR/DME using standard aeronautical chart symbology. This requires an administrative update to the chart to depict DME symbology

- **EGGD 6-1: BCN 1X and 1Z SIDs**

The BCN 1X and 1Z SIDs contain multiple references to BCN including the naming convention, pictorial depiction of the VOR/DME using aeronautical chart symbology, and radial and range data. With the removal of BCN DVOR, the BCN 1X and 1Z SIDs are unavailable without mitigation

- **EGGD 6-2 : BADIM 1X and WOTAN 1Z SIDs**

The BADIM 1X and WOTAN 1Z SID chart contains references to BCN in respect of position information of the SID termination points. These termination points do also specify lat & long data, and radial & range position reference to both CPT and HON too. Given that the BCN reference is not used for any other purpose such as climb profile, it is proposed that an administrative update to the chart removing the BCN reference shall suffice
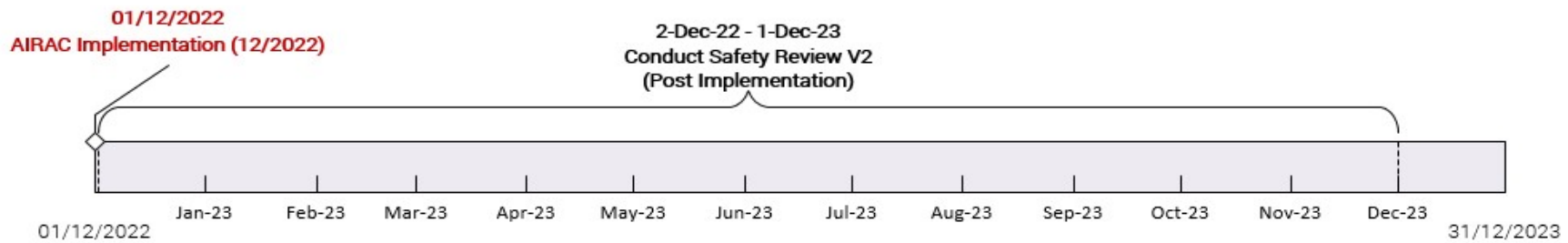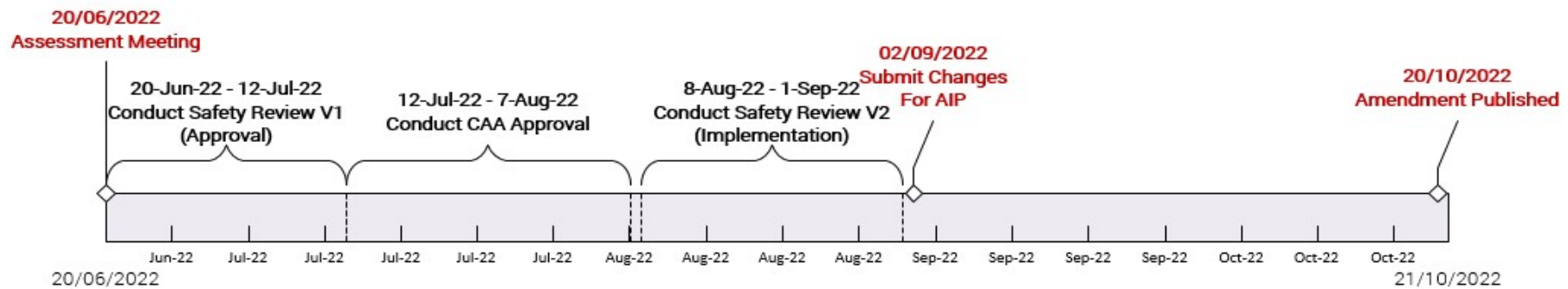
- **EGGD 6-3 : EXMOR 1X and 1Z SIDs**

The EXMOR 1X and 1Z SID chart contains multiple references to BCN including climb position information, pictorial depiction of the VOR/DME using aeronautical chart symbology, and waypoint position information at both SOMOT and the SID termination point EXMOR. With the removal of BCN, the EXMOR 1X and 1Z SIDs will be unavailable without mitigation

- **EGGD 2.19 – Radio Navigation Aids**

Table 2.19 contains reference to the BCN VOR/DME. The removal of BCN DVOR requires an administrative update to the AIP

Timeline

20/06/2022
Assessment Meeting

20-Jun-22 - 12-Jul-22
Conduct Safety Review V1
(Approval)

12-Jul-22 - 7-Aug-22
Conduct CAA Approval

8-Aug-22 - 1-Sep-22
Conduct Safety Review V2
(Implementation)

02/09/2022
Submit Changes
For AIP

20/10/2022
Amendment Published

20/06/2022 | Jun-22 | Jul-22 | Jul-22 | Jul-22 | Jul-22 | Jul-22 | Aug-22 | Aug-22 | Aug-22 | Aug-22 | Sep-22 | Sep-22 | Sep-22 | Sep-22 | Oct-22 | Oct-22 | Oct-22 | 21/10/2022

01/12/2022
AIRAC Implementation (12/2022)

2-Dec-22 - 1-Dec-23
Conduct Safety Review V2
(Post Implementation)

01/12/2022 | Jan-23 | Feb-23 | Mar-23 | Apr-23 | May-23 | Jun-23 | Jul-23 | Aug-23 | Sep-23 | Oct-23 | Nov-23 | Dec-23 | 31/12/2023

Approval Documentation Pack