

DARWIN INTERNATIONAL AIRPORT
DEPARTMENT OF DEFENCE

METHOD OF WORKING PLAN

YPDN 23/02

| | |
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| AERODROME: | RAAF Base Darwin / Darwin International Airport |
| PROJECT DESCRIPTION: | P0009 - National Airfields Works at RAAF Base Darwin - Package 1 - RWY 11-29 Reconstruction |
| DATES: | |
| Approval of MOWP | 31 July 2023 |
| Revision Date | 03 June 2024 |
| Commencement of works | 15 August 2023 |
| Completion of works | 31 March 2025 |
| Expiry of MOWP | 31 March 2025 |

CHANGE REGISTER

This Change Register has been developed in accordance with Part 139 (Aerodromes) Manual of Standards 2019, to provide guidance to the reader regarding changes between the below two MOWP document revisions:

- Previous revision - MOWP YPDN 23/02 V2.2
- Current revision - MOWP YPDN 23/02 V2.3

| Ref. | Change | MOWP Section | Description | MOWP V2.2 | MOWP V2.3 |
|------|-------------------------|----------------------------------|--|---|---|
| 1 | Issue Number. | Throughout | Change of Issue Number. | V2.2 | V2.3 |
| 2 | Removal of Stages. | 2.6 Works sequence | Removal of completed Stages. | - | Removal of all Stages prior to 7-May-24. |
| 3 | Resequencing of Stages. | 2.6 Works sequence | Resequencing of Stages between 3-Jun-24 to 14-Jul-24 | Stage 15 and Stage 16 between 3-Jun-24 and 14-Jul-24. | Stage 15 and Stage 16 between 3-Jun-24 and 10-Jun-24. Stage 15 and Stage 17A between 10-Jun-24 and 27-Jun-24. Stage 15 and Stage 16B between 27-Jun-24 and 13-Jul-24. |
| 4 | Amendment of Dates. | 2.6 Works sequence | Start Date of Stage 17A and Stage 17B in July-24. | Stage 17A and Stage 17B start date on 15-Jul-24. | Stage 17A start date on 13-Jul-24. Stage 17B start date on 15-Jul-24. |
| 5 | Stage 15 changes. | 2.6.3 Works sequence 3.3 RTAO | Stage 15 tables updated with detail of Shift timing for the post-RTS shift to revert to. | Stage 15 reverted to Stage 16 only. | Between 3-Jun-24 and 10-Jun-24, revert to Stage 16 Between 10-Jun-24 and 27-Jun-24, revert to Stage 17A Between 27-Jun-24 and 13-Jul-24, revert to Stage 16B |

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| 6 | Stage 16 changes. | 2.6.4 Works sequence 3.4 RTAO | Stage 16 tables updated end date, TORA, and RWY closure distance. | <p>Stage 16 ended on 14-Jul-24.</p> <p>Stage 16 RWY 11-29 TORA: 29 RWY 2631m 11 RWY 2691m</p> <p>Stage 16 denoted 663m W END RWY 11/29 CLOSED.</p> | <p>Stage 16 ends on 10-Jun-24.</p> <p>Stage 16 RWY 11-29 TORA: 29 RWY 2614m 11 RWY 2674m</p> <p>Stage 16 denoted 680m W END RWY 11/29 CLOSED.</p> |
| 7 | Stage 16B added. | 2.6.5 Works sequence 3.5 RTAO | Stage 16B added. | - | Stage 16B table added, planned dates from 27-Jun-24 to 13-Jul-24. |
| 8 | Stage 17A changes. | 2.6.6 Works sequence 3.6 RTAO | Stage 17A planned date changes and shift timing detail. | <p>Stage 17A planned dates between 15-Jul-24 to 4-Aug-24.</p> <p>Stage 17A shift timing only concurrent with Stage 17B.</p> | <p>Stage 17A planned dates between 10-Jun-24 to 27-Jun-24 and between 13-Jul-24 to 4-Aug-24.</p> <p>Stage 17A shift timing concurrent with Stage 15 and Stage 17B.</p> |
| 9 | Stage 18 changes. | 2.6.8 Works sequence 3.8 RTAO | Stage 18 TORA and RWY closure distance. | <p>Stage 18 RWY 11-29 TORA: 29 RWY 2631m 11 RWY 2691m</p> <p>Stage 18 denoted 663m W END RWY 11/29 CLOSED.</p> | <p>Stage 18 RWY 11-29 TORA: 29 RWY 2614m 11 RWY 2674m</p> <p>Stage 18 denoted 680m W END RWY 11/29 CLOSED.</p> |
| 10 | Stage 16 drawing update. | ANNEX B DRAWINGS Stage 16 | Construction vehicle access via TWY S. | No access route shown via TWY S. | Access route shown via TWY S. |
| 11 | Stage 16 drawing update. | ANNEX B DRAWINGS Stage 16 | Revised 11 SOT CH 663m to CH 680m and associated changes to Declared Distances. | <p>RWY 11 SOT at CH 663m. RWY 11 TODA 2781m. RWY 11 TORA 2691m. RWY 11 LDA 2631m. RWY 29 TORA 2631m. RWY 29 TODA 2691m.</p> | <p>RWY 11 SOT at CH 680m. RWY 11 TODA 2764m. RWY 11 TORA 2674m. RWY 11 LDA 2631m. RWY 29 TORA 2614m. RWY 29 TODA 2674m.</p> |

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|-----------|---------------------------|-------------------------------|--|---|---|
| 12 | Stage 16B drawing added. | ANNEX B DRAWINGS Stage 16B | New Stage Drawing depicting TWY E1 as available. | - | New Stage Drawing with the same arrangement as Stage 16 however Stage 16B depicts TWY E1 as available. |
| 13 | Stage 17A drawing update. | ANNEX B DRAWINGS Stage 17A | Updated Stage 17A drawing to depict temporary lighting leading on to RWY 18/36 from RWY 11/29. | - | Updated Stage 17A drawing to depict temporary lighting leading on to RWY 18/36 from RWY 11/29. |
| 14 | Stage 18 drawing update. | ANNEX B DRAWINGS Stage 18 | Construction vehicle access via TWY S added and the access via TWY T removed. | Access route via TWY T shown. | Access route shown via TWY S and the access route via TWY T has been removed. |
| 15 | Stage 18 drawing update. | ANNEX B DRAWINGS Stage 18 | Revised 11 SOT CH 663m to CH 680m and associated changes to Declared Distances. | RWY 11 SOT at CH 663m. RWY 11 TODA 2781m. RWY 11 TORA 2691m. RWY 11 LDA 2631m. RWY 29 TORA 2631m. RWY 29 TODA 2691m. | RWY 11 SOT at CH 680m. RWY 11 TODA 2764m. RWY 11 TORA 2674m. RWY 11 LDA 2631m. RWY 29 TORA 2614m. RWY 29 TODA 2674m. |

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1 METHOD OF WORKING PLAN (MOWP)

1.1 Purpose of the MOWP

CASA Part 139 MOS – Aerodromes requires operators of a certified aerodrome to make all necessary arrangements to ensure that aerodrome works do not create a hazard to aircraft or cause confusion to pilots. Furthermore, an aerodrome operator must not carry out aerodrome works without a MOWP unless the works are of a time-limited or emergency nature, or the works do not require restrictions to aircraft operations.

To achieve the requirements of CASA Part 139 MOS – Aerodromes, this MOWP has been prepared in accordance with the requirements of CASA Part 139 MOS – Aerodromes, Chapter 16 – Method of Working Plans (CASA, 2019) and ensures that all works conducted are in accordance with Civil Aviation Safety Regulations and CASA Part 139 MOS – Aerodromes and CASA Instrument 07/24 – Darwin Aerodrome (Relevant Activities in Obstacle Restriction Area – Runway 11/29).

2 WORKS INFORMATION

2.1 Purpose of the Works

The Department of Defence (DoD) National Airfield Works Program is a 10 year rolling Airfield Capital Works maintenance program which encompasses the annual pavement maintenance program as well as the capital maintenance projects across all airfields within the Defence Estate. The DoD has a Joint User Deed (JUD) with Darwin International Airport across the Joint User Area (JUA), requiring all works within the JUA to be in accordance with the requirements of the JUD.

The P0009 National Airfield Works at Darwin has the aim of maintaining the network of aircraft pavements, stormwater drainage and Aeronautical Ground Lighting (AGL) at Darwin including the areas within the Joint User Area.

2.2 Description of the Works

The scope of works covered in this MOWP includes the Runway 11-29 reconstruction at RAAF Base Darwin / Darwin International Airport as part of the P0009 - National Airfields Works (Package 1 Expedited Runway Works) at RAAF Base Darwin and Mount Bunde Airfield project (P0009).

A series of reviews will be conducted through workshops during the project to review productivity, operations and refine procedures and timelines for the remaining stages. The MOWP will be updated and distributed accordingly following the reviews.

2.3 Definitions

A table of MOWP YPDN 23/02 specific definitions is provided below.

| | |
|----------------|---|
| Package | Package: The P0009 RAAF Darwin Works are broken up into two (2) Packages. Package 1 is the focus of this MOWP YPDN 23/02, including pavement reconstruction and overlay works to Runway 11-29. Package 1 will enable the runway width to be reduced from 60m to 45m for reclassification to a Code 4E runway. |
| Stage | Stage: All works conducted within a specific duration. Stage drawings at Annex B illustrate the conditions and associated information of the airfield during the Stage depicted, whilst indicating the location of the work zones contained within that Stage. The MOWP is restricted to working under only one (1) Stage per work shift. The Stage Sequencing is presented in <u>1.5 Works sequence.</u> |
| Phase | Phase: A series of Stages, describing the works progress. There are four (4) phases under MOWP YPDN 23/02: <ul style="list-style-type: none"> ▪ Main Construction, ▪ Cut Over of AGL for the new 45m runway width requirements, ▪ Grooving and ▪ Remaining AGL Works. |
| Zone | Zone: Areas of work within a Stage, dependent on the Stage in effect. Numerical Zones describe on pavement work areas within the graded runway strip. Alphabetical Zones describe off pavement work areas outside of the graded runway strip, identified by the gable markers |
| RTS | RTS: Return to Service. Describes a work activity / shift in which the works contractor is required to vacate and reinstate the work areas (zones) back to a nominated extent and to allow for aircraft traffic as detailed within the Stage description and associated NOTAM. |

2.4 Times and Dates

Note that all Shift Times and Dates presented in MOWP YPDN 23/02 are in Local Darwin time (Australian Central Standard Time).

2.5 Work Activities

The asphalt pavement section of Runway 11-29 at RAAF Base Darwin (the primary and longest runway for long-haul and wide body aircraft movements) needs jointly required capital works as aspects of the runway surface, and the underlying pavement, are at the end of their serviceable life.

Works under this Project include reconstructed asphalt pavements, asphalt overlays, construction of a new drainage network and associated Runway Airfield Ground Lighting (AGL) works to Runway 11-29.

The planned works may include but are not limited to pavement, electrical works, drainage works, survey or geological investigation and will be undertaken within a prescribed MOWP stage.

| Phases | Stages | Key Activities |
|-------------------|---------------------------|--|
| Main Construction | 11B to 21 (excluding 21A) | <ul style="list-style-type: none">▪ Pavement reconstruction.▪ Asphalt overlays.▪ Drainage installation inclusive of subsoil drain, swale and stormwater pipes and culverts.▪ Airfield Ground Lighting (AGL) removal / protection.▪ AGL installation inc. cabling.▪ Grooving activities. |
| Cut Over | 21A | <ul style="list-style-type: none">▪ Pre-commissioning of AGL whilst existing 60m wide RWY lighting remains.▪ Cut Over from 60m wide RWY lighting to new 45m wide RWY lighting. |
| Grooving | 22 and 23 | <ul style="list-style-type: none">▪ Grooving of all new pavement works as soon as practicable (8 - 10 weeks after laying of asphalt) following the completion of the main construction pavement stages.▪ Decommissioning of redundant 60m wide RWY lighting.▪ Installation of inset AGL within Runway 11-29 grooving extent. |

The actual date and time of commencement will be advised by a NOTAM, to be issued not less than 48 hours before work commences.

Note: Environmental management requirements are covered under Section 3.6 and 3.10 and all works are to be covered by the P0009 CEMP and approved Environmental Clearance Certificate.

2.6 Works sequence

A detailed Works sequence is provided in the proceeding sub-sections and presented per Stage. The below Table summarises the overall Works sequence.

| Phases | Stage Sequence | Start | End |
|-------------------|----------------|-----------|-----------|
| Main Construction | Stage 11B | 7-May-24 | 3-Jun-24 |
| | Stage 12 | 7-May-24 | 3-Jun-24 |
| | Stage 15 | 4-Jun-24 | 10-Jun-24 |
| | Stage 16 | 3-Jun-24 | 10-Jun-24 |
| | Stage 15 | 10-Jun-24 | 27-Jun-24 |
| | Stage 17A | 10-Jun-24 | 27-Jun-24 |
| | Stage 15 | 27-Jun-24 | 13-Jul-24 |
| | Stage 16B | 27-Jun-24 | 13-Jul-24 |
| | Stage 17A | 13-Jul-24 | 4-Aug-24 |
| | Stage 17B | 15-Jul-24 | 4-Aug-24 |
| | Stage 18 | 4-Aug-24 | 28-Aug-24 |
| | Stage 19A | 4-Aug-24 | 11-Aug-24 |
| | Stage 19B | 12-Aug-24 | 28-Aug-24 |
| | Stage 20 | 29-Aug-24 | 18-Oct-24 |
| Cut Over | Stage 21A | 25-Oct-24 | 27-Oct-24 |
| Main Construction | Stage 21 | 29-Aug-24 | 12-Nov-24 |
| Grooving | Stage 22 | 13-Nov-24 | 20-Dec-24 |
| | Stage 22 | 6-Jan-25 | 29-Jan-25 |
| | Stage 23 | 30-Jan-25 | 31-Mar-25 |

***Note that works in Stages 11B, 15, 19A, 19B and 20 within the central section of Runway 11-29 will occur under RTS (return to service) and will revert back to Stages described below.**

For Stage 11B; the RTS (return to service) arrangement will be Stage 12.

For Stage 15; the RTS (return to service) arrangements will either be Stage 16, 16B or 17.

For Stage 19A and 19B; the RTS (return to service) arrangement will be Stage 18.

For Stage 20; the RTS (return to service) arrangement will be Stage 21A or Stage 21.

2.6.1 Works sequence – Stage 11B

| | | | |
|--------------------------------------|--|-----------------------|---|
| Planned dates | 7-May-24 to 3-Jun-24 | Drawing | ANNEX B – STAGE 11B |
| Phase | Main Construction | RWY 11-29 TORA | During Stage 11B RTS: 29 RWY 1643m 11 RWY 1690m |
| | | RWY 18-36 TORA | 18 RWY 990m |
| Zones | On-pavement: 4-4, 4-5, 4-6, 5, 6, 7, 8 Off-pavement (drainage): C, F, G, H Off-pavement (AGL): E | Shift timing | During Stage 11B RTS (0200 to 1130 Local). All other times, revert to Stage 12 29 RWY 2100m 11 RWY 2160m |
| Activities | Stage 11B is specific to works during the RTS nightshift. At all other times outside of the RTS nightshift, revert to Stage 12. <ul style="list-style-type: none"> Works in Stage 11B include the asphalt overlay of the existing Runway 11-29 pavement, inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width. Installation of associated drainage. Flank regrading and AGL secondary trenching. | | |
| RWY 11-29 Displaced Threshold | DTHR11 by 1934m / 1651m W END RWY 11/29 CLOSED DTHR11 at CH1934. Temp Displaced Threshold at the RWY 11 end for RTS times only. | | |
| RWY 18-36 | RWY 18/36 OPR LENGTH REDUCED BY 534M N END RWY 18 DEPARTURES ONLY RWY 36 LANDING ONLY | | |

2.6.2 Works sequence – Stage 12

| | | | |
|--|--|---------------------------|--|
| Planned dates | 29-Apr-24 to 3-Jun-24 | Drawing | ANNEX B – STAGE 12 |
| Phase | Main Construction | RWY 11-29 TORA | 29 RWY 2100m 11 RWY 2160m |
| | | RWY 18-36 TORA | 18 RWY 990m |
| Zones | On-pavement: 5, 6, 7, 8 Off-pavement (drainage): C, F, G, H Off-pavement (AGL): E | Shift timing | Non-RTS, 24/7 works. (1130-0200 Local 0200-1630 UTC when Stage 12 is concurrent with Stage 11A or 11B) |
| Activities | <ul style="list-style-type: none"> Removal and reconstruction of Runway 11-29 pavement at the Western end inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width. Installation of associated drainage. Flank regrading and AGL secondary trenching. | | |
| RWY 11-29 Displaced Threshold | DTHR11 by 1254m / 1194m W END RWY 11/29 CLOSED. DTHR11 at CH1254. Temp Displaced Threshold at the RWY 11 end during the entirety of Stage 12. | | |
| RWY 18-36 | RWY 18/36 OPR LENGTH REDUCED BY 534M N END RWY 18 DEPARTURES ONLY RWY 36 LANDING ONLY | | |

2.6.3 Works sequence - Stage 15

| | | | |
|----------------------------|---|-----------------------|---|
| Planned dates | 4-Jun-24 to 13-Jul-24 | Drawing | ANNEX B – STAGE 15 |
| Phase | Main Construction | RWY 11-29 TORA | During Stage 15 RTS: 29 RWY 1420m 11 RWY 1480m |
| Zones | On-pavement: 4-2, 4-3, 4-4, 4-5, 4-6, 5, 7, 8 Off-pavement (drainage): F, G, H Off-pavement (AGL): E | Shift timing | During Stage 15 RTS (0200 to 1130 Local). Between 3-Jun-24 and 10-Jun-24, revert to Stage 16 29 RWY 2614m 11 RWY 2674m Between 10-Jun-24 and 27-Jun-24, revert to Stage 17A 29 RWY 2721m 11 RWY 2781m Between 27-Jun-24 and 13-Jul-24, revert to Stage 16B 29 RWY 2614m 11 RWY 2674m |
| Activities | Stage 15 is specific to works during the RTS nightshift. At all other times outside of the RTS nightshift, revert to Stage 16, Stage 16B or Stage 17 as per the Shift timing dates above. <ul style="list-style-type: none"> • Works in Stage 15 include the asphalt overlay of the existing Runway 11-29 pavement, inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width. • Installation of associated drainage. • Flank regrading and AGL secondary trenching. • HIAL demolition and installation of new. | | |
| Displaced Threshold | DTHR11 by 1934m / 1874m W END RWY 11/29 CLOSED DTHR11 at CH1934. Temp Displaced Threshold at the RWY 11 end for RTS times only. | | |

2.6.4 Works sequence – Stage 16

| | | | |
|----------------------------|--|-----------------------|---|
| Planned dates | 3-Jun-24 to 10-Jun-24 | Drawing | ANNEX B – STAGE 16 |
| Phase | Main Construction | RWY 11-29 TORA | 29 RWY 2614m 11 RWY 2674m |
| Zones | On-pavement: 7, 8 Off-pavement (drainage): F, G, H Off-pavement (AGL): E | Shift timing | Non-RTS, 24/7 works. (1130-0200 Local 0200-1630 UTC when Stage 16 is concurrent with Stage 15) |
| Activities | <ul style="list-style-type: none"> Removal and reconstruction of Runway 11-29 pavement at the Western end inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width. Installation of associated drainage. Flank regrading and AGL secondary trenching. HIAL demolition and installation of new. | | |
| Displaced Threshold | DTHR11 by 723m / 680m W END RWY 11/29 CLOSED. DTHR11 at CH723. Temp Displaced Threshold at the RWY 11 end during the entirety of Stage 16. | | |

2.6.5 Works sequence – Stage 16B

| | | | |
|----------------------------|--|-----------------------|---|
| Planned dates | 27-Jun-24 to 13-Jul-24 | Drawing | ANNEX B – STAGE 16B |
| Phase | Main Construction | RWY 11-29 TORA | 29 RWY 2614m 11 RWY 2674m |
| Zones | On-pavement: 7, 8 Off-pavement (drainage): F, H Off-pavement (AGL): E | Shift timing | Non-RTS, 24/7 works. (1130-0200 Local 0200-1630 UTC when Stage 16B is concurrent with Stage 15) |
| Activities | <ul style="list-style-type: none"> Removal and reconstruction of Runway 11-29 pavement at the Western end inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width. Installation of associated drainage. Flank regrading and AGL secondary trenching. HIAL demolition and installation of new. | | |
| Displaced Threshold | DTHR11 by 723m / 680m W END RWY 11/29 CLOSED. DTHR11 at CH723. Temp Displaced Threshold at the RWY 11 end during the entirety of Stage 16B. | | |

2.6.6 Works sequence – Stage 17A

| | | | |
|----------------------------|--|-----------------------|---|
| Planned dates | 10-Jun-24 to 27-Jun-24 13-Jul-24 to 4-Aug-24 | Drawing | ANNEX B – STAGE 17A |
| Phase | Main Construction | RWY 11-29 TORA | 29 RWY 2721m 11 RWY 2781m |
| Zones | On-pavement: 8 Off-pavement (drainage): F, H Off-pavement (AGL): E | Shift timing | Non-RTS, 24/7 works. (1130-0200 Local 0200-1630 UTC when Stage 17A is concurrent with Stage 15) (0600 – 1900 Local 2030 - 0930 UTC when Stage 17A is concurrent with Stage 17B) |
| Activities | <ul style="list-style-type: none"> Removal and reconstruction of Runway 11-29 pavement at the Western end inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width. Installation of associated drainage. Flank regrading and AGL secondary trenching. HIAL demolition and installation of new. | | |
| Displaced Threshold | DTHR11 by 723m / 573m W END RWY 11/29 CLOSED. DTHR11 at CH723. Temp Displaced Threshold at the RWY 11 end during the entirety of Stage 17A. | | |

2.6.7 Works sequence – Stage 17B

| | | | |
|----------------------------|---|-----------------------|--|
| Planned dates | 15-Jul-24 to 4-Aug-24 | Drawing | ANNEX B – STAGE 17B |
| Phase | Main Construction | RWY 11-29 TORA | 29 RWY 2721m 11 RWY 2781m |
| Zones | On-pavement: Zone 8 and select RWY 18-36 locations as per Drawing for Stage 17B Off-pavement (drainage): F, H Off-pavement (AGL): E | Shift timing | During Stage 17B RTS (1900 to 0600 Local). All other times, revert to Stage 17A 29 RWY 2721m 11 RWY 2781m |
| Activities | <ul style="list-style-type: none"> Removal and reconstruction of Runway 11-29 pavement at the Western end inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width. Installation of associated drainage. Flank regrading and AGL secondary trenching. Maintenance pavement works to RWY 18/36 as per the locations marked in the Stage 17B Drawing. HIAL demolition and installation of new. | | |
| Displaced Threshold | DTHR11 by 723m / 573m W END RWY 11/29 CLOSED. DTHR11 at CH723. Temp Displaced Threshold at the RWY 11 end during the entirety of Stage 17B. | | |

2.6.8 Works sequence – Stage 18

| | | | |
|----------------------------|--|-----------------------|---|
| Planned dates | 4-Aug-24 to 28-Aug-24 | Drawing | ANNEX B – STAGE 18 |
| Phase | Main Construction | RWY 11-29 TORA | 29 RWY 2614m 11 RWY 2674m |
| Zones | On-pavement: 7, 8 Off-pavement (drainage): F, H, I Off-pavement (AGL): E | Shift timing | Non-RTS, 24/7 works. (1130-0200 Local). 0200-1630 UTC when Stage 18 is concurrent with Stage 19A and Stage 19B) |
| Activities | <ul style="list-style-type: none"> Removal and reconstruction of Runway 11-29 pavement at the Western end inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width. Installation of associated drainage. Flank regrading and AGL secondary trenching. HIAL demolition and installation of new. | | |
| Displaced Threshold | DTHR11 by 723m / 680m W END RWY 11/29 CLOSED. DTHR11 at CH723. Temp Displaced Threshold at the RWY 11 end during the entirety of Stage 18. | | |

2.6.9 Works sequence – Stage 19A

| | | | |
|----------------------------|---|---------------------------|---|
| Planned dates | 4-Aug-24 to 11-Aug-24 | Drawing | ANNEX B – STAGE 19A |
| Phase | Main Construction | RWY 11-29 TORA | During Stage 19A RTS: 29 RWY 1420m 11 RWY 1480m |
| Zones | On-pavement: 4-2, 4-3, 4-4, 4-5, 4-6, 5, 7, 8 Off-pavement (drainage): F, H, I Off-pavement (AGL): E | Shift timing | During Stage 19A RTS (0200 to 1130 Local). All other times, revert to Stage 18 29 RWY 2631m 11 RWY 2691m |
| Activities | <p>Stage 19A is specific to works during the RTS nightshift. At all other times outside of the RTS nightshift, revert to Stage 18.</p> <ul style="list-style-type: none"> • Works in Stage 19A include the asphalt overlay of the existing Runway 11-29 pavement, inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width. • Installation of associated drainage. • Flank regrading and AGL secondary trenching. • HIAL demolition and installation of new. | | |
| Displaced Threshold | <p>DTHR11 by 1934m / 1874m W END RWY 11/29 CLOSED DTHR11 at CH1934. Temp Displaced Threshold at the RWY 11 end for RTS times only.</p> | | |

2.6.10 Works sequence – Stage 19B

| | | | |
|--|--|---------------------------|--|
| Planned dates | 12-Aug-24 to 28-Aug-24 | Drawing | ANNEX B – STAGE 19B |
| Phase | Main Construction | RWY 11-29 TORA | During Stage 19B RTS: 29 RWY 1643m 11 RWY 1690m |
| | | RWY 18-36 TORA | 18 RWY 990m |
| Zones | On-pavement: 4-4, 4-5, 4-6, 5, 6, 7, 8 Off-pavement (drainage): F, H, I Off-pavement (AGL): E | Shift timing | During Stage 19B RTS (0200 to 1130 Local. All other times, revert to Stage 18 29 RWY 2631m 11 RWY 2691m |
| Activities | Stage 19B is specific to works during the RTS nightshift. At all other times outside of the RTS nightshift, revert to Stage 18. <ul style="list-style-type: none"> • Works in Stage 19B include the asphalt overlay of the existing Runway 11-29 pavement, inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width. • Installation of associated drainage. • Flank regrading and AGL secondary trenching. • HIAL demolition and installation of new. | | |
| RWY 11-29 Displaced Threshold | DTHR11 by 1934m / 1651m W END RWY 11/29 CLOSED DTHR11 at CH1934. Temp Displaced Threshold at the RWY 11 end for RTS times only. | | |
| RWY 18-36 | RWY 18/36 OPR LENGTH REDUCED BY 534M N END RWY 18 DEPARTURES ONLY RWY 36 LANDING ONLY | | |

2.6.11 Works sequence – Stage 20

| | | | |
|----------------------------|--|-----------------------|--|
| Planned dates | 29-Aug-24 to 18-Oct-24 | Drawing | ANNEX B – STAGE 20 |
| Phase | Main Construction | RWY 11-29 TORA | During Stage 20 RTS: 29 RWY 1481m 11 RWY 1421m |
| Zones | On-pavement: 4-2, 4-1, 3, 2, 1 Off-pavement (drainage): C, B, A, I Off-pavement (AGL): E | Shift timing | During Stage 20 RTS (0200 to 1130 Local). All other times, revert to Stage 21 29 RWY 2480m 11 RWY 2420m |
| Activities | Stage 20 is specific to works during the RTS nightshift. At all other times outside of the RTS nightshift, revert to Stage 21. <ul style="list-style-type: none"> • Works in Stage 20 include the asphalt overlay of the existing Runway 11-29 pavement, inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width. • Installation of associated drainage. • Flank regrading and AGL secondary trenching. • HIAL demolition and installation of new. | | |
| Displaced Threshold | DTHR29 by 1933m / 1873m E END RWY 11/29 CLOSED DTHR29 at CH1421. Temp Displaced Threshold at the RWY 29 end for RTS times only. | | |

2.6.12 Works sequence – Stage 21A

| | | | |
|----------------------------|--|-----------------------|------------------------------|
| Planned dates | 25-Oct-24 to 27-Oct-24 | Drawing | ANNEX B – STAGE 21A |
| Phase | Cut Over | RWY 11-29 TORA | 29 RWY 2480m 11 RWY 2420m |
| Zones | On-pavement: 1, 2 Off-pavement (drainage): A, B, I Off-pavement (AGL): E | Shift timing | Non-RTS, 24/7 works. |
| Activities | Ground Checks and Flight Checks of the newly installed (unpowered) Runway 11-29 Airfield Ground Lighting system and the Cut Over to the 45m width AGL system. Initially, the medium intensity runway lighting system will operate until the high intensity runway lights can be cut over to the new 45m AGL. Indicatively this will take a period of up to two (2) calendar days. | | |
| Displaced Threshold | DTHR29 by 1046m / 874m E END RWY 11/29 CLOSED. DTHR29 at CH2308. Temp Displaced Threshold at the RWY 29 end during the entirety of Stage 21A. | | |

2.6.13 Works sequence – Stage 21

| | | | |
|----------------------------|---|-----------------------|------------------------------|
| Planned dates | 29-Aug-24 to 12-Nov-24 | Drawing | ANNEX B – STAGE 21 |
| Phase | Main Construction | RWY 11-29 TORA | 29 RWY 2480m 11 RWY 2420m |
| Zones | On-pavement: 1, 2 Off-pavement (drainage): A, B, I Off-pavement (AGL): E | Shift timing | Non-RTS, 24/7 works. |
| Activities | <ul style="list-style-type: none"> Removal and reconstruction of Runway 11-29 pavement (29 Threshold) at the Eastern end inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width. Installation of associated drainage. Flank regrading and AGL secondary trenching. HIAL demolition and installation of new. | | |
| Displaced Threshold | DTHR29 by 1046m / 874m E END RWY 11/29 CLOSED. DTHR29 at CH2308. Temp Displaced Threshold at the RWY 29 end during the entirety of Stage 21. | | |

2.6.14 Works sequence – Stage 22

| | | | |
|----------------------------|--|-----------------------|---|
| Planned dates | 13-Nov-24 to 20-Dec-24 6-Jan-25 to 29-Jan-25 | Drawing | ANNEX B – STAGE 22 |
| Phase | Grooving | RWY 11-29 TORA | During Stage 15 RTS 29 RWY 1420m 11 RWY 1480m At all other times the full Runway 11-29 TORA will be available. |
| Zones | On-pavement: 5, 4-6, 4-5, 4-4, 4-3, 4-2 Off-pavement (drainage): n/a Off-pavement (AGL): E | Shift timing | 13-Nov-24 to 9-Dec-24 RTS (0145 - 0545 Local) 9-Dec-24 to 20-Dec-24 RTS (0145 – 0445 Local) or RTS (0145 - 0545 Local) depending on the day of the week as per NOTAM 6-Jan-25 to 29-Jan-25 RTS (0145 – 0445 Local) |
| Activities | <ul style="list-style-type: none"> • Works in Stage 22 include grooving inclusive of line marking reinstatement. • Reinstatement of inset AGL lighting and secondary cable slotting following the grooving works including commissioning and powering the reinstated lights. | | |
| Displaced Threshold | DTHR11 by 1934m / 1874m W END RWY 11/29 CLOSED. DTHR11 at CH1934. Temp Displaced Threshold at the RWY 11 end for RTS times only. | | |

2.6.15 Works sequence – Stage 23

| | | | |
|----------------------------|--|-----------------------|--|
| Planned dates | 30-Jan-25 to 31-Mar-25 | Drawing | ANNEX B – STAGE 23 |
| Phase | Grooving | RWY 11-29 TORA | <p>During Stage 23 RTS 29 RWY 1481m 11 RWY 1421m</p> <p>At all other times the full Runway 11-29 TORA will be available.</p> |
| Zones | On-pavement: 4-2, 4-1, 3, 2, 1 Off-pavement (drainage): n/a Off-pavement (AGL): E | Shift timing | RTS (0145 – 0445 Local) |
| Activities | <ul style="list-style-type: none"> • Works in Stage 23 include grooving inclusive of line marking reinstatement. • Reinstatement of inset AGL lighting and secondary cable slotting following the grooving works including commissioning and powering the reinstated lights. | | |
| Displaced Threshold | DTHR29 by 1933m / 1873m E END RWY 11/29 CLOSED DTHR29 at CH1421. Temp Displaced Threshold at the RWY 29 end for RTS times only. | | |

3 RESTRICTIONS TO AIRCRAFT OPERATIONS (RTAO)**3.1 RTAO - Stage 11B**

| | | | |
|--------------------------------|--|----------------|---|
| Planned dates | 7-May-24 to 3-Jun-24 | Drawing | ANNEX B – STAGE 11B |
| Phase | Main Construction | RWY 11-29 TORA | During Stage 11B RTS: 29 RWY 1643m 11 RWY 1690m |
| | | RWY 18-36 TORA | 18 RWY 990m |
| Zones | On-pavement: 4-4, 4-5, 4-6, 5, 6, 7, 8 Off-pavement (drainage): C, F, G, H Off-pavement (AGL): E | Shift timing | During Stage 11B RTS (0200 to 1130 Local). All other times, revert to Stage 12 29 RWY 2100m 11 RWY 2160m |
| Activities | Stage 11B is specific to works during the RTS nightshift. At all other times outside of the RTS nightshift, revert to Stage 12. <ul style="list-style-type: none">• Works in Stage 11B include the asphalt overlay of the existing Runway 11-29 pavement, inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width.• Installation of associated drainage.• Flank regrading and AGL secondary trenching. | | |
| Restrictions: Manoeuvring Area | | | |
| Runway 11-29 | DTHR11 by 1934m / 1651m W END RWY 11/29 CLOSED DTHR11 at CH1934. Temp Displaced Threshold at the RWY 11 end for RTS times only. | | |
| Runway 18-36 | RWY 18/36 OPR LENGTH REDUCED BY 534M N END RWY 18 DEPARTURES ONLY RWY 36 LANDING ONLY | | |
| Taxiways | Taxiway A1 closed, north of TWY W. Taxiway C1 closed. Taxiway C3 closed. Taxiway C4 closed. Taxiway V2 closed. Taxiway B1 closed. Taxiway B2 closed. Taxiway E1 closed. Taxiway T closed. | | |
| Aircraft type restrictions | Aircraft operations above Code 2 at discretion of the aircraft operator. | | |

3.1.1 RTAO - Stage 11B NOTAM

Stage 11B NOTAM

THR RWY 11 DISPLACED 1934M DUE WIP
RWY 11/29 OPR LEN REDUCED BY 1651M
DISPLACED THR MARKED BY GREEN THR LGT EACH SIDE OF RWY HN AND
RWY IDENT LGT HJ, PILOT MNT
OBST 18FT AGL 1823M FM START OF TORA RWY 29

REVISED DECLARED DISTANCES
RWY TORA TODA ASDA LDA
11 1690 (5545) 1780 (5840) (2.15) 1690 (5545) 1420 (4659)
29 1643 (5391) 1703 (5587) (4.0) 1643 (5391) 1643 (5391)

SUPPLEMENTARY TKOF DIST:
RWY 11- 1409 (4623) (1.6) 1625 (5331) (1.9)
RWY 29- 1479 (4852) (1.6) 1559 (5115) (1.9) 1604 (5262) (2.2) 1633 (5358) (2.5)
1679 (5509) (3.3)
RWY 11 TKOF TO COMMENCE AT RED LGTS HN AND RED AND WHITE CONES HJ
RWY 29 DIST TO RUN MARKERS READ INCORRECTLY WHEN 11 THR DISPLACED
RWY 29 TWY D TKOFF RUN AVBL SIGN U/S WHEN 11 THR DISPLACED 1934M

PAPI RWY 11 U/S WHEN THR DISPLACED
RWY 11 TEMPO PAPI AVBL LEFT SIDE 3.0 DEG 29FT
RWY THR IDENT LGTS AND TEMPO PAPI PILOT MNT

TWY A1, TWY C3, TWY C4, TWY B1, TWY B2, TWY E1, TWY D, TWY V2, TWY T CLOSED DUE
DISPLACED THR RWY 11

REFER METHOD OF WORKING PLAN YPDN 23/02 STAGE 11B

Remarks (Details of any special restrictions and the requirements for the issue of NOTAMs)

RWY 11/29 reclassified as a Code 2 Runway (Non-Instrument)
RWY 11/29 WESTERN AAS NOT AVBL WHEN 11 THR DISPLACED
TWY A1 AVBL MIL ACFT FOR ACCESS TO TWY W AND X
TWY C4 ENG RUN UP AND COMPASS SWING AVBL

Remarks (Details of any special restrictions and the requirements for the issue of NOTAMs)

RWY 18/36 REDUCED LENGTH
CODE 2 NON-INSTRUMENT
RWY 18 DEPARTURES
RWY 36 ARRIVALS

Stage 11B NOTAM

RWY 18/36 OPR LEN REDUCED BY 534M N END DUE WIP
RWY 18 DEP ONLY
RWY 36 LDG ONLY

SUPPLEMENTRY TKOF DIST:
RWY TORA TODA ASDA LDA
18 990 (3248) 1050 (3445) (1.69) 990 (3248)
36

3.2 RTAO - Stage 12

| | | | |
|---------------------------------------|--|-----------------------|--|
| Planned dates | 29-Apr-24 to 3-Jun-24 | Drawing | ANNEX B – STAGE 12 |
| Phase | Main Construction | RWY 11-29 TORA | 29 RWY 2100m 11 RWY 2160m |
| | | RWY 18-36 TORA | 18 RWY 990m |
| Zones | On-pavement: 5, 6, 7, 8 Off-pavement (drainage): C, F, G, H Off-pavement (AGL): E | Shift timing | Non-RTS, 24/7 works. (1130-0200 Local 0200-1630 UTC when Stage 12 is concurrent with Stage 11A or 11B) |
| Activities | <ul style="list-style-type: none">Removal and reconstruction of Runway 11-29 pavement at the Western end inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width.Installation of associated drainage.Flank regrading and AGL secondary trenching. | | |
| Restrictions: Manoeuvring Area | | | |
| Runway 11-29 | DTHR11 by 1254m / 1194m W END RWY 11/29 CLOSED. DTHR11 at CH1254. Temp Displaced Threshold at the RWY 11 end during the entirety of Stage 12. | | |
| Runway 18-36 | RWY 18/36 OPR LENGTH REDUCED BY 534M N END RWY 18 DEPARTURES ONLY RWY 36 LANDING ONLY | | |
| Taxiways | Taxiway A1 closed, north of TWY W. Taxiway C1 closed. Taxiway C3 closed. Taxiway C4 closed. Taxiway V2 closed. Taxiway E1 closed. Taxiway T closed. | | |
| Aircraft type restrictions | RWY29 intersection departure from TWY D available to Light Single Engine Aircraft only. RWY29 intersection departure from TWY E2 not available. | | |

3.2.1 RTAO - Stage 12 NOTAM

Stage 12 NOTAM

THR RWY 11 DISPLACED 1254M DUE WIP
RWY 11/29 OPR LEN REDUCED BY 1194M WESTERN END
DISPLACED THR MARKED BY GREEN THR LGT EACH SIDE OF RWY HN AND
RWY THR IDENT LGT HJ, PILOT MNT
OBST 15FT AGL ON RWY 2501M FM START OF TORA RWY 29
REVISED DECLARED DISTANCES
RWY TORA TODA ASDA LDA
11 2160 (7087) 2250 (7382) (2.15) 2160 (7087) 2100 (6890)
29 2100 (6890) 2160 (7087) (2.0) 2100 (6890) 2100 (6890)
SUPPLEMENTARY TKOF DIST:
RWY 11- 1879 (6165) (1.6) 2095 (6874) (1.9)
RWY 29- 2074 (6804) (1.6) 2156 (7074) (1.9)
RWY 11 TKOF TO COMMENCE AT RED LGTS HN AND RED AND WHITE CONES HJ
RWY 29 DIST TO RUN MARKERS U/S WHEN 11 THR DISPLACED
RWY 29 TWY D, E1 AND E2 TKOF RUN AVBL SIGNS U/S WHEN 11 THR DISPLACED

PAPI RWY 11 U/S WHEN THR DISPLACED
RWY 11 TEMPO PAPI AVBL 3.0 DEG 52FT
RWY THR IDENT LGTS AND TEMPO PAPI PILOT MNT

TWY A1, TWY C3, TWY C4, TWY E1, TWY V2, TWY T CLOSED DUE DISPLACED THR RWY 11
REFER METHOD OF WORKING PLAN YPDN 23/02 STAGE 12

Remarks (Details of any special restrictions and the requirements for the issue of NOTAMs)

RWY 11/29 remains Code 4 Runway (Instrument/Non-Precision).
RWY 11/29 WESTERN AAS NOT AVBL WHEN 11 THR DISPLACED
TWY A1 AVBL MIL ACFT FOR ACCESS TO TWY W AND X
TWY C4 ENG RUN UP AND COMPASS SWING AVBL

Remarks (Details of any special restrictions and the requirements for the issue of NOTAMs)

RWY 18/36 REDUCED LENGTH
CODE 2 NON-INSTRUMENT
RWY 18 DEPARTURES
RWY 36 ARRIVALS

Stage 12 NOTAM

RWY 18/36 OPR LEN REDUCED BY 534M N END DUE WIP
RWY 18 DEP ONLY
RWY 36 LDG ONLY
SUPPLEMENTRY TKOF DIST:
RWY TORA TODA ASDA LDA
18 990 (3248) 1050 (3445) (1.69) 990 (3248) -
36 - - - 930 (3051)
RWY 18 TKOF TO COMMENCE AT RED AND WHITE CONES

TWY C1 CLOSED
REFER METHOD OF WORKING PLAN YPDN 23/02 STAGE 12

3.3 RTAO - Stage 15

| | | | |
|--------------------------------|--|-------------------|--|
| Planned dates | 4-Jun-24 to 13-Jul-24 | Drawing | ANNEX B – STAGE 15 |
| Phase | Main Construction | RWY 11-29 TORA | During Stage 15 RTS: 29 RWY 1420m 11 RWY 1480m |
| Zones | On-pavement: 4-2, 4-3, 4-4, 4-5, 4-6, 5, 7, 8 Off-pavement (drainage): F, G, H Off-pavement (AGL): E | Shift timing | During Stage 15 RTS (0200 to 1130 Local). Between 3-Jun-24 and 10- Jun-24, revert to Stage 16 29 RWY 2614m 11 RWY 2674m Between 10-Jun-24 and 27- Jun-24, revert to Stage 17A 29 RWY 2721m 11 RWY 2781m Between 27-Jun-24 and 13- Jul-24, revert to Stage 16B 29 RWY 2614m 11 RWY 2674m |
| Activities | Stage 15 is specific to works during the RTS nightshift. At all other times outside of the RTS nightshift, revert to Stage 16, Stage 16B or Stage 17 as per the Shift timing dates above. <ul style="list-style-type: none">• Works in Stage 15 include the asphalt overlay of the existing Runway 11-29 pavement, inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width.• Installation of associated drainage.• Flank regrading and AGL secondary trenching.• HIAL demolition and installation of new. | | |
| Restrictions: Manoeuvring Area | | | |
| Runways | DTHR11 by 1934m / 1874m W END RWY 11/29 CLOSED DTHR11 at CH1934. Temp Displaced Threshold at the RWY 11 end for RTS times only. | | |
| Taxiways | Taxiway A1 closed, north of TWY W. Taxiway V2 closed. Taxiway B1 closed. Taxiway B2 closed. Taxiway E1 closed. Taxiway E2 closed. | | |
| Aircraft type restrictions | Aircraft operations above Code 2 at discretion of the aircraft operator. | | |

3.4 RTAO - Stage 16

| | | | |
|--------------------------------|---|-------------------|--|
| Planned dates | 3-Jun-24 to 10-Jun-24 | Drawing | ANNEX B – STAGE 16 |
| Phase | Main Construction | RWY 11-29 TORA | 29 RWY 2614m 11 RWY 2674m |
| Zones | On-pavement: 7, 8 Off-pavement (drainage): F, G, H Off-pavement (AGL): E | Shift timing | Non-RTS, 24/7 works. (1130-0200 Local 0200-1630 UTC when Stage 16 is concurrent with Stage 15) |
| Activities | <ul style="list-style-type: none">Removal and reconstruction of Runway 11-29 pavement at the Western end inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width.Installation of associated drainage.Flank regrading and AGL secondary trenching.HIAL demolition and installation of new. | | |
| Restrictions: Manoeuvring Area | | | |
| Runways | DTHR11 by 723m / 680m W END RWY 11/29 CLOSED. DTHR11 at CH723. Temp Displaced Threshold at the RWY 11 end during the entirety of Stage 16. | | |
| Taxiways | Taxiway A1 closed, north of TWY W. Taxiway E1 closed. | | |
| Aircraft type restrictions | RWY29 intersection departure from TWY D available (with new RDS data). RWY29 intersection departure from TWY E2 available to Light Single Engine Aircraft Only. RWY29 intersection departure from TWY B1 and B2 not available. | | |

3.4.1 RTAO - Stage 16

| Stage 16 NOTAM | |
|---|--|
| <p>THR RWY 11 DISPLACED 723M DUE WIP RWY 11/29 OPR LEN REDUCED BY 680M WESTERN END DISPLACED THR MARKED BY GREEN THR LGT EACH SIDE OF RWY HN AND RWY THR IDENT LGT HJ, PILOT MNT OBST 15FT AGL ON RWY 2931M FM START OF TORA RWY 29 REVISED DECLARED DISTANCES RWY TORA TODA ASDA LDA 11 2674 (8774) 2764 (9069) (2.15) 2674 (8774) 2631 (8632) 29 2614 (8577) 2674 (8774) (2.0) 2614 (8577) 2614 (8577) SUPPLEMENTARY TKOF DIST: RWY 11- 2393 (7852) (1.6) 2609 (8560) (1.9) RWY 29- 2593 (8508) (1.6) 2661 (8731) (1.9) RWY 11 TKOF TO COMMENCE AT RED LGTS HN AND RED AND WHITE CONES HJ RWY 29 DIST TO RUN MARKERS U/S WHEN 11 THR DISPLACED RWY 29 TWY D, E1 AND E2 TKOF RUN AVBL SIGNS U/S WHEN 11 THR DISPLACED PAPI RWY 11 U/S WHEN THR DISPLACED RWY 11 TEMPO PAPI AVBL 3.0 DEG 52FT RWY THR IDENT LGTS AND TEMPO PAPI PILOT MNT TWY A1, TWY E1 CLOSED DUE DISPLACED THR RWY 11 REFER METHOD OF WORKING PLAN YPDN 23/02 STAGE 16</p> | |
| Remarks (Details of any special restrictions and the requirements for the issue of NOTAMs) | <p>RWY 11/29 remains Code 4 Runway (Instrument/Non-Precision). RWY 11/29 WESTERN AAS NOT AVBL WHEN 11 THR DISPLACED TWY A1 AVBL MIL ACFT FOR ACCESS TO TWY W AND X TWY C4 AND Z WEST OF TWY V1 MARKED WITH TEMPORARY BLUE EDGE LGT</p> |

3.5 RTAO - Stage 16B

| | | | |
|--------------------------------|---|-------------------|---|
| Planned dates | 27-Jun-24 to 13-Jul-24 | Drawing | ANNEX B – STAGE 16B |
| Phase | Main Construction | RWY 11-29 TORA | 29 RWY 2614m 11 RWY 2674m |
| Zones | On-pavement: 7, 8 Off-pavement (drainage): F, H Off-pavement (AGL): E | Shift timing | Non-RTS, 24/7 works. (1130-0200 Local 0200-1630 UTC when Stage 16B is concurrent with Stage 15) |
| Activities | <ul style="list-style-type: none">Removal and reconstruction of Runway 11-29 pavement at the Western end inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width.Installation of associated drainage.Flank regrading and AGL secondary trenching.HIAL demolition and installation of new. | | |
| Restrictions: Manoeuvring Area | | | |
| Runways | DTHR11 by 723m / 680m W END RWY 11/29 CLOSED. DTHR11 at CH723. Temp Displaced Threshold at the RWY 11 end during the entirety of Stage 16B. | | |
| Taxiways | Taxiway A1 closed, north of TWY W. | | |
| Aircraft type restrictions | RWY29 intersection departure from TWY D available (with new RDS data). RWY29 intersection departure from TWY E2 available to Light Single Engine Aircraft Only. RWY29 intersection departure from TWY B1 and B2 not available. | | |

3.5.1 RTAO - Stage 16B

| Stage 16B NOTAM | |
|--|--|
| <p>THR RWY 11 DISPLACED 723M DUE WIP RWY 11/29 OPR LEN REDUCED BY 680M WESTERN END DISPLACED THR MARKED BY GREEN THR LGT EACH SIDE OF RWY HN AND RWY THR IDENT LGT HJ, PILOT MNT OBST 15FT AGL ON RWY 2931M FM START OF TORA RWY 29 REVISED DECLARED DISTANCES RWY TORA TODA ASDA LDA 11 2674 (8774) 2764 (9069) (2.15) 2674 (8774) 2631 (8632) 29 2614 (8577) 2674 (8774) (2.0) 2614 (8577) 2614 (8577) SUPPLEMENTARY TKOF DIST: RWY 11- 2393 (7852) (1.6) 2609 (8560) (1.9) RWY 29- 2593 (8508) (1.6) 2661 (8731) (1.9) RWY 11 TKOF TO COMMENCE AT RED LGTS HN AND RED AND WHITE CONES HJ RWY 29 DIST TO RUN MARKERS U/S WHEN 11 THR DISPLACED RWY 29 TWY D, E1 AND E2 TKOF RUN AVBL SIGNS U/S WHEN 11 THR DISPLACED PAPI RWY 11 U/S WHEN THR DISPLACED RWY 11 TEMPO PAPI AVBL 3.0 DEG 52FT RWY THR IDENT LGTS AND TEMPO PAPI PILOT MNT TWY A1 CLOSED DUE DISPLACED THR RWY 11 REFER METHOD OF WORKING PLAN YPDN 23/02 STAGE 16B</p> | |
| Remarks (Details of any special restrictions and the requirements for the issue of NOTAMs) | <p>RWY 11/29 remains Code 4 Runway (Instrument/Non-Precision). RWY 11/29 WESTERN AAS NOT AVBL WHEN 11 THR DISPLACED TWY A1 AVBL MIL ACFT FOR ACCESS TO TWY W AND X TWY C4 AND Z WEST OF TWY V1 MARKED WITH TEMPORARY BLUE EDGE LGT</p> |

3.6 RTAO - Stage 17A

| | | | |
|--------------------------------|---|-------------------|---|
| Planned dates | 10-Jun-24 to 27-Jun-24 13-Jul-24 to 4-Aug-24 | Drawing | ANNEX B – STAGE 17A |
| Phase | Main Construction | RWY 11-29 TORA | 29 RWY 2721m 11 RWY 2781m |
| Zones | On-pavement: 8 Off-pavement (drainage): F, H Off-pavement (AGL): E | Shift timing | Non-RTS, 24/7 works. (1130-0200 Local 0200-1630 UTC when Stage 17A is concurrent with Stage 15) (0600 – 1900 Local 2030 - 0930 UTC when Stage 17A is concurrent with Stage 17B) |
| Activities | <ul style="list-style-type: none">Removal and reconstruction of Runway 11-29 pavement at the Western end inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width.Installation of associated drainage.Flank regrading and AGL secondary trenching.HIAL demolition and installation of new. | | |
| Restrictions: Manoeuvring Area | | | |
| Runways | DTHR11 by 723m / 573m W END RWY 11/29 CLOSED. DTHR11 at CH723. Temp Displaced Threshold at the RWY 11 end during the entirety of Stage 17A. | | |
| Taxiways | Taxiway A1 closed, north of TWY W. | | |
| Aircraft type restrictions | RWY29 intersection departure from TWY D available (with new RDS data). RWY29 intersection departure from TWY E1 and E2 available to Light Single Engine Aircraft Only. RWY29 intersection departure from TWY B1 and B2 not available. | | |

3.6.1 RTAO - Stage 17A NOTAM

| Stage 17A NOTAM | | | | | | | | | | | | | | | | |
|---|--|--------------------|-------------|-------------|------|-----|----|-------------|--------------------|-------------|-------------|----|-------------|-------------------|-------------|-------------|
| <p>THR RWY 11 DISPLACED 723M DUE WIP RWY 11/29 OPR LEN REDUCED BY 573M WESTERN END DISPLACED THR MARKED BY GREEN THR LGT EACH SIDE OF RWY HN AND RWY THR IDENT LGT HJ, PILOT MNT OBST 17FT AGL ON RWY 3021M FM START OF TORA RWY 29 REVISED DECLARED DISTANCES</p> <table><tr><th>RWY</th><th>TORA</th><th>TODA</th><th>ASDA</th><th>LDA</th></tr><tr><td>11</td><td>2781 (9124)</td><td>2871 (9412) (2.15)</td><td>2781 (9124)</td><td>2631 (8632)</td></tr><tr><td>29</td><td>2721 (8927)</td><td>2781 (9124) (2.0)</td><td>2721 (8927)</td><td>2721 (8927)</td></tr></table> <p>SUPPLEMENTARY TKOF DIST: RWY 11- 2500 (8202) (1.6) 2716 (8911) (1.9) RWY 29- 2710 (8891) (1.6) 2766 (9075) (1.9) RWY 11 TKOF TO COMMENCE AT RED LGTS HN AND RED AND WHITE CONES HJ RWY 29 DIST TO RUN MARKERS U/S WHEN 11 THR DISPLACED RWY 29 TWY D, E1 AND E2 TKOF RUN AVBL SIGNS U/S WHEN 11 THR DISPLACED</p> <p>PAPI RWY 11 U/S WHEN THR DISPLACED RWY 11 TEMPO PAPI AVBL 3.0 DEG 52FT RWY THR IDENT LGTS AND TEMPO PAPI PILOT MNT</p> <p>TWY A1 CLOSED DUE DISPLACED THR RWY 11</p> <p>REFER METHOD OF WORKING PLAN YPDN 23/02 STAGE 17A</p> | | RWY | TORA | TODA | ASDA | LDA | 11 | 2781 (9124) | 2871 (9412) (2.15) | 2781 (9124) | 2631 (8632) | 29 | 2721 (8927) | 2781 (9124) (2.0) | 2721 (8927) | 2721 (8927) |
| RWY | TORA | TODA | ASDA | LDA | | | | | | | | | | | | |
| 11 | 2781 (9124) | 2871 (9412) (2.15) | 2781 (9124) | 2631 (8632) | | | | | | | | | | | | |
| 29 | 2721 (8927) | 2781 (9124) (2.0) | 2721 (8927) | 2721 (8927) | | | | | | | | | | | | |
| Remarks (Details of any special restrictions and the requirements for the issue of NOTAMs) | <p>RWY 11/29 remains Code 4 Runway (Instrument/Non-Precision). RWY 11/29 WESTERN AAS NOT AVBL WHEN 11 THR DISPLACED TWY A1 AVBL MIL ACFT FOR ACCESS TO TWY W AND X RWY 18/36 BTN INT RWY 11/29 AND TWY A MARKED WITH TEMP BLUE EDGE LGT AVBL MIL ACFT FOR ACCESS TO/FROM RWY 11/29</p> | | | | | | | | | | | | | | | |

3.7 RTAO - Stage 17B

| | | | |
|---------------------------------------|---|---------------------------|--|
| Planned dates | 15-Jul-24 to 4-Aug-24 | Drawing | ANNEX B – STAGE 17B |
| Phase | Main Construction | RWY 11-29 TORA | 29 RWY 2721m 11 RWY 2781m |
| Zones | On-pavement: Zone 8 and select RWY 18-36 locations as per Drawing for Stage 17B Off-pavement (drainage): F, H Off-pavement (AGL): E | Shift timing | During Stage 17B RTS (1900 to 0600 Local). All other times, revert to Stage 17A 29 RWY 2721m 11 RWY 2781m |
| Activities | <ul style="list-style-type: none">• Removal and reconstruction of Runway 11-29 pavement at the Western end inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width.• Installation of associated drainage.• Flank regrading and AGL secondary trenching.• Maintenance pavement works to RWY 18/36 as per the locations marked in the Stage 17B Drawing.• HIAL demolition and installation of new. | | |
| Restrictions: Manoeuvring Area | | | |
| Runways | DTHR11 by 723m / 573m W END RWY 11/29 CLOSED. DTHR11 at CH723. Temp Displaced Threshold at the RWY 11 end during the entirety of Stage 17B. Runway 18/36 closed. | | |
| Taxiways | Taxiway A1 closed, north of TWY W. Taxiway C1 closed. Taxiway C3 closed. Taxiway C4 closed. | | |
| Aircraft type restrictions | RWY29 intersection departure from TWY D available (with new RDS data). RWY29 intersection departure from TWY E1 and E2 available to Light Single Engine Aircraft Only. RWY29 intersection departure from TWY B1 and B2 not available. | | |

3.7.1 RTAO - Stage 17B NOTAM

| Stage 17B NOTAM | | | | | | | | | | | | | | | | |
|--|--|--------------------|-------------|-------------|------|-----|----|-------------|--------------------|-------------|-------------|----|-------------|-------------------|-------------|-------------|
| <p>THR RWY 11 DISPLACED 723M DUE WIP RWY 11/29 OPR LEN REDUCED BY 573M WESTERN END DISPLACED THR MARKED BY GREEN THR LGT EACH SIDE OF RWY HN AND RWY THR IDENT LGT HJ, PILOT MNT OBST 17FT AGL ON RWY 3021M FM START OF TORA RWY 29 REVISED DECLARED DISTANCES</p> <table><tr><th>RWY</th><th>TORA</th><th>TODA</th><th>ASDA</th><th>LDA</th></tr><tr><td>11</td><td>2781 (9124)</td><td>2871 (9412) (2.15)</td><td>2781 (9124)</td><td>2631 (8632)</td></tr><tr><td>29</td><td>2721 (8927)</td><td>2781 (9124) (2.0)</td><td>2721 (8927)</td><td>2721 (8927)</td></tr></table> <p>SUPPLEMENTARY TKOF DIST: RWY 11- 2500 (8202) (1.6) 2716 (8911) (1.9) RWY 29- 2710 (8891) (1.6) 2766 (9075) (1.9) RWY 11 TKOF TO COMMENCE AT RED LGTS HN AND RED AND WHITE CONES HJ RWY 29 DIST TO RUN MARKERS U/S WHEN 11 THR DISPLACED RWY 29 TWY D, E1 AND E2 TKOF RUN AVBL SIGNS U/S WHEN 11 THR DISPLACED</p> <p>PAPI RWY 11 U/S WHEN THR DISPLACED RWY 11 TEMPO PAPI AVBL 3.0 DEG 52FT RWY THR IDENT LGTS AND TEMPO PAPI PILOT MNT</p> <p>TWY A1, TWY C3, TWY C4 CLOSED DUE DISPLACED THR RWY 11 REFER METHOD OF WORKING PLAN YPDN 23/02 STAGE 17B</p> | | RWY | TORA | TODA | ASDA | LDA | 11 | 2781 (9124) | 2871 (9412) (2.15) | 2781 (9124) | 2631 (8632) | 29 | 2721 (8927) | 2781 (9124) (2.0) | 2721 (8927) | 2721 (8927) |
| RWY | TORA | TODA | ASDA | LDA | | | | | | | | | | | | |
| 11 | 2781 (9124) | 2871 (9412) (2.15) | 2781 (9124) | 2631 (8632) | | | | | | | | | | | | |
| 29 | 2721 (8927) | 2781 (9124) (2.0) | 2721 (8927) | 2721 (8927) | | | | | | | | | | | | |
| Remarks (Details of any special restrictions and the requirements for the issue of NOTAMs) | <p>RWY 11/29 remains Code 4 Runway (Instrument/Non-Precision). RWY 11/29 WESTERN AAS NOT AVBL WHEN 11 THR DISPLACED TWY A1 AVBL MIL ACFT FOR ACCESS TO TWY W AND X</p> | | | | | | | | | | | | | | | |
| Stage 17B NOTAM | | | | | | | | | | | | | | | | |
| <p>RWY 18/36 CLOSED DUE WIP TWY C1 CLOSED DUE WIP REFER METHOD OF WORKING PLAN YPDN 23/02 STAGE 17B</p> | | | | | | | | | | | | | | | | |
| Remarks (Details of any special restrictions and the requirements for the issue of NOTAMs) | <p>RWY 18/36 BTN INT RWY 11/29 AND TWY A MARKED WITH TEMP BLUE EDGE LGT AVBL MIL ACFT FOR ACCESS TO/FROM RWY 11/29</p> | | | | | | | | | | | | | | | |

3.8 RTAO - Stage 18

| | | | |
|---------------------------------------|---|---------------------------|--|
| Planned dates | 4-Aug-24 to 28-Aug-24 | Drawing | ANNEX B – STAGE 18 |
| Phase | Main Construction | RWY 11-29 TORA | 29 RWY 2614m 11 RWY 2674m |
| Zones | On-pavement: 7, 8 Off-pavement (drainage): F, H, I Off-pavement (AGL): E | Shift timing | Non-RTS, 24/7 works. (1130-0200 Local). 0200-1630 UTC when Stage 18 is concurrent with Stage 19A and Stage 19B) |
| Activities | <ul style="list-style-type: none">• Removal and reconstruction of Runway 11-29 pavement at the Western end inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width.• Installation of associated drainage.• Flank regrading and AGL secondary trenching.• HIAL demolition and installation of new. | | |
| Restrictions: Manoeuvring Area | | | |
| Runways | DTHR11 by 723m / 680m W END RWY 11/29 CLOSED. DTHR11 at CH723. Temp Displaced Threshold at the RWY 11 end during the entirety of Stage 18. | | |
| Taxiways | Taxiway A1 closed, north of TWY W. Taxiway B1 closed. | | |
| Aircraft type restrictions | RWY29 intersection departure from TWY D available (with new RDS data). RWY29 intersection departure from TWY E1 and E2 available to Light Single Engine Aircraft Only. RWY29 intersection departure from TWY B1 and B2 not available. | | |

3.8.1 RTAO - Stage 18 NOTAM

Stage 18 NOTAM

THR RWY 11 DISPLACED 723M DUE WIP
RWY 11/29 OPR LEN REDUCED BY 680M WESTERN END
DISPLACED THR MARKED BY GREEN THR LGT EACH SIDE OF RWY HN AND
RWY THR IDENT LGT HJ, PILOT MNT
OBST 15FT AGL ON RWY 2931M FM START OF TORA RWY 29
REVISED DECLARED DISTANCES

| RWY | TORA | TODA | ASDA | LDA |
|-----|-------------|--------------------|-------------|-------------|
| 11 | 2674 (8774) | 2764 (9069) (2.15) | 2674 (8774) | 2631 (8632) |
| 29 | 2614 (8577) | 2674 (8774) (2.0) | 2614 (8577) | 2614 (8577) |

SUPPLEMENTARY TKOF DIST:
RWY 11- 2393 (7852) (1.6) 2609 (8560) (1.9)
RWY 29- 2593 (8508) (1.6) 2661 (8731) (1.9)
RWY 11 TKOF TO COMMENCE AT RED LGTS HN AND RED AND WHITE CONES HJ
RWY 29 DIST TO RUN MARKERS U/S WHEN 11 THR DISPLACED
RWY 29 TWY D, E1 AND E2 TKOF RUN AVBL SIGNS U/S WHEN 11 THR DISPLACED

PAPI RWY 11 U/S WHEN THR DISPLACED
RWY 11 TEMPO PAPI AVBL 3.0 DEG 52FT
RWY THR IDENT LGTS AND TEMPO PAPI PILOT MNT

TWY A1, TWY E1 CLOSED DUE DISPLACED THR RWY 11

REFER METHOD OF WORKING PLAN YPDN 23/02 STAGE 18

Remarks (Details of any special restrictions and the requirements for the issue of NOTAMs)

RWY 11/29 remains Code 4 Runway (Instrument/Non-Precision).
RWY 11/29 WESTERN AAS NOT AVBL WHEN 11 THR DISPLACED
TWY A1 AVBL MIL ACFT FOR ACCESS TO TWY W AND X

3.9 RTAO - Stage 19A

| | | | |
|--------------------------------|---|-------------------|---|
| Planned dates | 4-Aug-24 to 11-Aug-24 | Drawing | ANNEX B – STAGE 19A |
| Phase | Main Construction | RWY 11-29 TORA | During Stage 19A RTS: 29 RWY 1420m 11 RWY 1480m |
| Zones | On-pavement: 4-2, 4-3, 4-4, 4-5, 4-6, 5, 7, 8 Off-pavement (drainage): F, H, I Off-pavement (AGL): E | Shift timing | During Stage 19A RTS (0200 to 1130 Local). All other times, revert to Stage 18 29 RWY 2631m 11 RWY 2691m |
| Activities | Stage 19A is specific to works during the RTS nightshift. At all other times outside of the RTS nightshift, revert to Stage 18. <ul style="list-style-type: none">• Works in Stage 19A include the asphalt overlay of the existing Runway 11-29 pavement, inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width.• Installation of associated drainage.• Flank regrading and AGL secondary trenching.• HIAL demolition and installation of new. | | |
| Restrictions: Manoeuvring Area | | | |
| Runways | DTHR11 by 1934m / 1874m W END RWY 11/29 CLOSED DTHR11 at CH1934. Temp Displaced Threshold at the RWY 11 end for RTS times only. | | |
| Taxiways | Taxiway A1 closed, north of TWY W. Taxiway V2 closed. Taxiway B1 closed. Taxiway B2 closed. Taxiway E1 closed. Taxiway E2 closed. Taxiway T closed. | | |
| Aircraft type restrictions | Aircraft operations above Code 2 at discretion of the aircraft operator. | | |

3.9.1 RTAO - Stage 19A NOTAM

Stage 19A NOTAM

THR RWY 11 DISPLACED 1934M DUE WIP
RWY 11/29 OPR LEN REDUCED BY 1874M
DISPLACED THR MARKED BY GREEN THR LGT EACH SIDE OF RWY HN AND
RWY IDENT LGT HJ, PILOT MNT
OBST 15FT AGL 1612M FM START OF TORA RWY 29
REVISED DECLARED DISTANCES

| RWY | TORA | TODA | ASDA | LDA |
|-----|-------------|--------------------|-------------|-------------|
| 11 | 1480 (4856) | 1570 (5151) (2.15) | 1480 (4856) | 1420 (4659) |
| 29 | 1420 (4659) | 1480 (4856) (4.0) | 1420 (4659) | 1420 (4659) |

SUPPLEMENTARY TKOF DIST:
RWY 11- 1199 (3934) (1.6) 1415 (4642) (1.9)
RWY 29- 1199 (3934) (1.6) 1274 (4180) (1.9) 1337 (4387) (2.2) 1381 (4531) (2.5)
1450 (4757) (3.3)
RWY 11 TKOF TO COMMENCE AT RED LGTS HN AND RED AND WHITE CONES HJ
RWY 29 DIST TO RUN MARKERS READ INCORRECTLY WHEN 11 THR DISPLACED
RWY 29 TWY D TKOFF RUN AVBL SIGN U/S WHEN 11 THR DISPLACED 1934M

PAPI RWY 11 U/S WHEN THR DISPLACED
RWY 11 TEMPO PAPI AVBL LEFT SIDE 3.0 DEG 29FT
RWY THR IDENT LGTS AND TEMPO PAPI PILOT MNT

TWY A1, TWY B1, TWY B2, TWY E1, TWY E2, TWY V2, TWY T CLOSED DUE DISPLACED THR RWY 11

REFER METHOD OF WORKING PLAN YPDN 23/02 STAGE 19A

Remarks (Details of any special restrictions and the requirements for the issue of NOTAMs)

RWY 11/29 Reclassified Code 2 Runway Non-Instrument
RWY 11/29 WESTERN AAS NOT AVBL WHEN 11 THR DISPLACED
TWY A1 AVBL MIL ACFT FOR ACCESS TO TWY W AND X
TWY C4 AND Z WEST OF TWY V1 MARKED WITH BLUE EDGE LGT TO ACCESS RWY 11/29

3.10 RTAO - Stage 19B

| | | | |
|--------------------------------|---|-------------------|--|
| Planned dates | 12-Aug-24 to 28-Aug-24 | Drawing | ANNEX B – STAGE 19B |
| Phase | Main Construction | RWY 11-29 TORA | During Stage 19B RTS: 29 RWY 1643m 11 RWY 1690m |
| | | RWY 18-36 TORA | 18 RWY 990m |
| Zones | On-pavement: 4-4, 4-5, 4-6, 5, 6, 7, 8 Off-pavement (drainage): F, H, I Off-pavement (AGL): E | Shift timing | During Stage 19B RTS (0200 to 1130 Local. All other times, revert to Stage 18 29 RWY 2631m 11 RWY 2691m |
| Activities | Stage 19B is specific to works during the RTS nightshift. At all other times outside of the RTS nightshift, revert to Stage 18. <ul style="list-style-type: none">• Works in Stage 19B include the asphalt overlay of the existing Runway 11-29 pavement, inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width.• Installation of associated drainage.• Flank regrading and AGL secondary trenching.• HIAL demolition and installation of new. | | |
| Restrictions: Manoeuvring Area | | | |
| Runway 11-29 | DTHR11 by 1934m / 1651m W END RWY 11/29 CLOSED DTHR11 at CH1934. Temp Displaced Threshold at the RWY 11 end for RTS times only. | | |
| Runway 18-36 | RWY 18/36 OPR LENGTH REDUCED BY 534M N END RWY 18 DEPARTURES ONLY RWY 36 LANDING ONLY | | |
| Taxiways | Taxiway A1 closed, north of TWY W. Taxiway C1 closed. Taxiway C3 closed. Taxiway C4 closed. Taxiway V2 closed. Taxiway B1 closed. Taxiway B2 closed. Taxiway T closed. | | |
| Aircraft type restrictions | Aircraft operations above Code 2 at discretion of the aircraft operator. | | |

3.10.1 RTAO - Stage 19B NOTAM**Stage 19B NOTAM**

THR RWY 11 DISPLACED 1934M DUE WIP
RWY 11/29 OPR LEN REDUCED BY 1651M
DISPLACED THR MARKED BY GREEN THR LGT EACH SIDE OF RWY HN AND
RWY IDENT LGT HJ, PILOT MNT
OBST 18FT AGL 1823M FM START OF TORA RWY 29
REVISED DECLARED DISTANCES

| RWY | TORA | TODA | ASDA | LDA |
|-----|-------------|--------------------|-------------|-------------|
| 11 | 1690 (5545) | 1780 (5840) (2.15) | 1690 (5545) | 1420 (4659) |
| 29 | 1643 (5391) | 1703 (5587) (4.0) | 1643 (5391) | 1643 (5391) |

SUPPLEMENTARY TKOF DIST:
RWY 11- 1409 (4623) (1.6) 1625 (5332) (1.9)
RWY 29- 1479 (4852) (1.6) 1559 (5115) (1.9) 1604 (5262) (2.2) 1633 (5358) (2.5)
1679 (5509) (3.3)
RWY 11 TKOF TO COMMENCE AT RED LGTS HN AND RED AND WHITE CONES HJ
RWY 29 DIST TO RUN MARKERS READ INCORRECTLY WHEN 11 THR DISPLACED
RWY 29 TWY D TKOFF RUN AVBL SIGN U/S WHEN 11 THR DISPLACED 1934M

PAPI RWY 11 U/S WHEN THR DISPLACED
RWY 11 TEMPO PAPI AVBL LEFT SIDE 3.0 DEG 29FT
RWY THR IDENT LGTS AND TEMPO PAPI PILOT MNT

TWY A1, TWY C3, TWY C4, TWY B1, TWY B2, TWY V2, TWY T CLOSED DUE DISPLACED THR RWY 11

REFER METHOD OF WORKING PLAN YPDN 23/02 STAGE 19B

Remarks (Details of any special restrictions and the requirements for the issue of NOTAMs)

RWY 11/29 Reclassified Code 2 Runway Non-Instrument
RWY 11/29 WESTERN AAS NOT AVBL WHEN 11 THR DISPLACED
TWY A1 AVBL MIL ACFT FOR ACCESS TO TWY W AND X

Remarks (Details of any special restrictions and the requirements for the issue of NOTAMs)

RWY 18/36 REDUCED LENGTH
CODE 2 NON-INSTRUMENT
RWY 18 DEPARTURES
RWY 36 ARRIVALS

Stage 19B NOTAM

RWY 18/36 CLOSED DUE WIP
TWY C1 CLOSED DUE WIP
REFER METHOD OF WORKING PLAN YPDN 23/02 STAGE 19B

Remarks (Details of any special restrictions and the requirements for the issue of NOTAMs)

TWY C4 AVBL FOR ENG RUN AND COMPASS SWING

3.11 RTAO - Stage 20

| | | | |
|--------------------------------|---|-------------------|--|
| Planned dates | 29-Aug-24 to 18-Oct-24 | Drawing | ANNEX B – STAGE 20 |
| Phase | Main Construction | RWY 11-29 TORA | During Stage 20 RTS: 29 RWY 1481m 11 RWY 1421m |
| Zones | On-pavement: 4-2, 4-1, 3, 2, 1 Off-pavement (drainage): C, B, A, I Off-pavement (AGL): E | Shift timing | During Stage 20 RTS (0200 to 1130 Local). All other times, revert to Stage 21 29 RWY 2480m 11 RWY 2420m |
| Activities | Stage 20 is specific to works during the RTS nightshift. At all other times outside of the RTS nightshift, revert to Stage 21. <ul style="list-style-type: none">• Works in Stage 20 include the asphalt overlay of the existing Runway 11-29 pavement, inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width.• Installation of associated drainage.• Flank regrading and AGL secondary trenching.• HIAL demolition and installation of new. | | |
| Restrictions: Manoeuvring Area | | | |
| Runways | DTHR29 by 1933m / 1873m E END RWY 11/29 CLOSED DTHR29 at CH1421. Temp Displaced Threshold at the RWY 29 end for RTS times only. | | |
| Taxiways | Taxiway A6 closed, east of the FRA. Taxiway D closed. Taxiway E1 closed. Taxiway E2 closed. Taxiway B1 closed. Taxiway T closed. | | |
| Aircraft type restrictions | Aircraft operations above Code 2 at discretion of the aircraft operator. RWY11 Intersection departures from TWY C3 & C4 available to Light Single Engine Aircraft only. | | |

3.11.1RTAO - Stage 20 NOTAM

| Stage 20 NOTAM | | | | | | | | | | | | | | | | | | | |
|---|---|-------------------|-------------|-------------|-----|------|------|------|-----|--------|-------------|-------------------|-------------|-------------|--------|-------------|-------------------|-------------|-------------|
| <p>THR RWY 29 DISPLACED 1933M DUE WIP</p> <p>RWY 11/29 OPR LEN REDUCED BY 1873M E END</p> <p>DISPLACED THR MARKED BY GREEN THR LGT EACH SIDE OF RWY HN AND RWY THR IDENT LGT HJ, PILOT MNT</p> <p>OBST 15 FT AGL ON RWY 1611M FM START OF TORA RWY 11</p> <p>REVISED DECLARED DISTANCES</p> <table><tr><td>RWY</td><td>TORA</td><td>TODA</td><td>ASDA</td><td>LDA</td></tr><tr><td>RWY 11</td><td>1421 (4662)</td><td>1481 (4859) (4.0)</td><td>1421 (4662)</td><td>1421 (4662)</td></tr><tr><td>RWY 29</td><td>1481 (4859)</td><td>1571 (5154) (1.2)</td><td>1481 (4859)</td><td>1421 (4662)</td></tr></table> <p>SUPPLEMENTARY TKOF DIST:</p> <p>RWY 11- 1238 (4061) (1.6) 1294 (4245) (1.9) 1343 (4406) (2.2) 1385 (4541) (2.5) 1448 (4751) (3.33)</p> <p>RWY 29 TKOF TO COMMENCE AT RED LGTS HN AND RED AND WHITE CONES HJ</p> <p>RWY 11 DIST TO RUN MARKERS READ INCORRECTLY WHEN 29 THR DISPLACED</p> <p>RWY 11 TWY B1, B2, E1, E2, C3 AND C4 TKOF RUN AVBL SIGNS READ INCORRECTLY WHEN 29 THR DISPLACED</p> <p>ACTIVE LAND AND HOLD SHORT OPS (LAHSO) NOT AVBL WHEN THR RWY 29 DISPLACED 1933M</p> <p>PAPI RWY 29 NOT AVBL WHEN THR DISPLACED</p> <p>RWY 29 TEMPO PAPI AVBL LH SIDE 3.0 DEG 29FT</p> <p>RWY THR IDENT LGTS AND TEMPO PAPI PILOT MNT</p> <p>TWY A6, TWY D, TWY B1, TWY E1, TWY E2 CLOSED DUE DISPLACED THR RWY 29</p> <p>REFER METHOD OF WORKING PLAN YPDN 23/02 STAGE 20</p> | | | | | RWY | TORA | TODA | ASDA | LDA | RWY 11 | 1421 (4662) | 1481 (4859) (4.0) | 1421 (4662) | 1421 (4662) | RWY 29 | 1481 (4859) | 1571 (5154) (1.2) | 1481 (4859) | 1421 (4662) |
| RWY | TORA | TODA | ASDA | LDA | | | | | | | | | | | | | | | |
| RWY 11 | 1421 (4662) | 1481 (4859) (4.0) | 1421 (4662) | 1421 (4662) | | | | | | | | | | | | | | | |
| RWY 29 | 1481 (4859) | 1571 (5154) (1.2) | 1481 (4859) | 1421 (4662) | | | | | | | | | | | | | | | |
| Remarks (Details of any special restrictions and the requirements for the issue of NOTAMs) | RWY 11/29 Reclassified as a Code 2 Runway Non-Instrument | | | | | | | | | | | | | | | | | | |
| | Refer Aircservices NOTAM published notifying ILS GP 'IDN' 333.2 RWY 29 U/S DUE DTHR | | | | | | | | | | | | | | | | | | |
| | RWY 11/29 EASTERN HOOKCABLE NOT AVBL WHEN 29 THR DISP TWY A6 AVBL BETWEEN TWY D AND FRA FOR MIL ACFT | | | | | | | | | | | | | | | | | | |

3.12 RTAO - Stage 21A

| | | | |
|---------------------------------------|--|---------------------------|------------------------------|
| Planned dates | 25-Oct-24 to 27-Oct-24 | Drawing | ANNEX B – STAGE 21A |
| Phase | Cut Over | RWY 11-29 TORA | 29 RWY 2480m 11 RWY 2420m |
| Zones | On-pavement: 1, 2 Off-pavement (drainage): A, B, I Off-pavement (AGL): E | Shift timing | Non-RTS, 24/7 works. |
| Activities | Ground Checks and Flight Checks of the newly installed (unpowered) Runway 11-29 Airfield Ground Lighting system and the Cut Over to the 45m width AGL system. Initially, the medium intensity runway lighting system will operate until the high intensity runway lights can be cut over to the new 45m AGL. Indicatively this will take a period of up to two (2) calendar days. | | |
| Restrictions: Manoeuvring Area | | | |
| Runways | DTHR29 by 1046m / 874m E END RWY 11/29 CLOSED. DTHR29 at CH2308. Temp Displaced Threshold at the RWY 29 end during the entirety of Stage 21A. | | |
| Taxiways | Taxiway A6 closed, east of the FRA. Taxiway B1 closed. | | |
| Aircraft type restrictions | RWY11 Intersection Departures from TWY E1 & E2 Not available. RWY11 Intersection Departures from TWY B1 & B2 available to Light Single Engine Aircraft only. | | |

3.12.1RTAO - Stage 21A NOTAM

| Stage 21A NOTAM | | | | | | | | | | | | | | | | | | | |
|---|-------------|--|-------------|-------------|-----|------|------|------|-----|----|-------------|-------------------|-------------|-------------|----|-------------|-------------------|-------------|-------------|
| <p>THR RWY 29 DISPLACED 1046M DUE WIP RWY 11/29 OPR LEN REDUCED BY 874M EASTERN END DISPLACED THR MARKED BY GREEN THR LGT EACH SIDE OF RWY HN AND RWY THR IDENT LGT HJ, PILOT MNT OBST 16 FT AGL ON RWY 2720M FM START OF TORA RWY 11 REVISED DECLARED DISTANCES</p> <table><tr><th>RWY</th><th>TORA</th><th>TODA</th><th>ASDA</th><th>LDA</th></tr><tr><td>11</td><td>2420 (7949)</td><td>2480 (8137) (2.0)</td><td>2420 (7949)</td><td>2420 (7949)</td></tr><tr><td>29</td><td>2480 (8137)</td><td>2570 (8432) (1.2)</td><td>2480 (8137)</td><td>2308 (7573)</td></tr></table> <p>SUPPLEMENTARY TKOF DIST: RWY 11- 2416 (7926) (1.6) 2469 (8100) (1.9) RWY 29 TKOF TO COMMENCE AT RED LGTS HN AND RED AND WHITE CONES HJ RWY 11 DIST TO RUN MARKERS NOT AVBL WHEN 29 THR DISPLACED RWY 11 TWY B1, B2, E1, E2, C3 AND C4 TKOF RUN AVBL SIGNS NOT AVBL WHEN 29 THR DISPLACED ACTIVE LAND AND HOLD SHORT OPS (LAHSO) NOT AVBL WHEN THR DISPLACED 1046M</p> <p>PAPI RWY 29 NOT AVBL WHEN THR DISPLACED RWY 20 TEMPO PAPI AVBL 3.0 DEG 52FT RWY THR IDENT LIGHTS AND TEMPO PAPI PILOT MNT TWY A6, TWY B1 CLOSED DUE DISPLACED THR RWY 29 REFER METHOD OF WORKING PLAN YPDN 23/02 STAGE 21A</p> | | | | | RWY | TORA | TODA | ASDA | LDA | 11 | 2420 (7949) | 2480 (8137) (2.0) | 2420 (7949) | 2420 (7949) | 29 | 2480 (8137) | 2570 (8432) (1.2) | 2480 (8137) | 2308 (7573) |
| RWY | TORA | TODA | ASDA | LDA | | | | | | | | | | | | | | | |
| 11 | 2420 (7949) | 2480 (8137) (2.0) | 2420 (7949) | 2420 (7949) | | | | | | | | | | | | | | | |
| 29 | 2480 (8137) | 2570 (8432) (1.2) | 2480 (8137) | 2308 (7573) | | | | | | | | | | | | | | | |
| Remarks (Details of any special restrictions and the requirements for the issue of NOTAMs) | | All works Stage 21A will be carried out under the NOTAM issued for Stage 21. | | | | | | | | | | | | | | | | | |

3.13 RTAO - Stage 21

| | | | |
|--------------------------------|--|-------------------|------------------------------|
| Planned dates | 29-Aug-24 to 12-Nov-24 | Drawing | ANNEX B – STAGE 21 |
| Phase | Main Construction | RWY 11-29 TORA | 29 RWY 2480m 11 RWY 2420m |
| Zones | On-pavement: 1, 2 Off-pavement (drainage): A, B, I Off-pavement (AGL): E | Shift timing | Non-RTS, 24/7 works. |
| Activities | <ul style="list-style-type: none">Removal and reconstruction of Runway 11-29 pavement (29 Threshold) at the Eastern end inclusive of the reinstatement of Runway 11-29 AGL lighting and installation of new AGL lighting to suit the cut-over to 45m width.Installation of associated drainage.Flank regrading and AGL secondary trenching.HIAL demolition and installation of new. | | |
| Restrictions: Manoeuvring Area | | | |
| Runways | DTHR29 by 1046m / 874m E END RWY 11/29 CLOSED. DTHR29 at CH2308. Temp Displaced Threshold at the RWY 29 end during the entirety of Stage 21. | | |
| Taxiways | Taxiway A6 closed, east of the FRA. Taxiway B1 closed. | | |
| Aircraft type restrictions | RWY11 Intersection Departures from TWY E1 & E2 Not available. RWY11 Intersection Departures from TWY B1 & B2 available to Light Single Engine Aircraft only. | | |

3.13.1RTAO - Stage 21 NOTAM

Stage 21 NOTAM

THR RWY 29 DISPLACED 1046M DUE WIP
RWY 11/29 OPR LEN REDUCED BY 874M EASTERN END
DISPLACED THR MARKED BY GREEN THR LGT EACH SIDE OF RWY HN AND
RWY THR IDENT LGT HJ, PILOT MNT
OBST 16 FT AGL ON RWY 2720M FM START OF TORA RWY 11
REVISED DECLARED DISTANCES

| RWY | TORA | TODA | ASDA | LDA |
|-----|-------------|-------------------|-------------|-------------|
| 11 | 2420 (7949) | 2480 (8137) (2.0) | 2420 (7949) | 2420 (7949) |
| 29 | 2480 (8137) | 2570 (8432) (1.2) | 2480 (8137) | 2308 (7573) |

SUPPLEMENTARY TKOF DIST:
RWY 11- 2416 (7926) (1.6) 2469 (8100) (1.9)
RWY 29 TKOF TO COMMENCE AT RED LGTS HN AND RED AND WHITE CONES HJ
RWY 11 DIST TO RUN MARKERS NOT AVBL WHEN 29 THR DISPLACED
RWY 11 TWY B1, B2, E1, E2, C3 AND C4 TKOF RUN AVBL SIGNS NOT AVBL WHEN 29 THR DISPLACED
ACTIVE LAND AND HOLD SHORT OPS (LAHSO) NOT AVBL WHEN THR DISPLACED 1046M

PAPI RWY 29 NOT AVBL WHEN THR DISPLACED
RWY 20 TEMPO PAPI AVBL 3.0 DEG 52FT
RWY THR IDENT LIGHTS AND TEMPO PAPI PILOT MNT

TWY A6, TWY B1 CLOSED DUE DISPLACED THR RWY 29

REFER METHOD OF WOTKING PLAN YPDN 23/02 STAGE 21

Remarks (Details of any special restrictions and the requirements for the issue of NOTAMs)

RWY 11/29 remains Code 4 Runway (Instrument/Non-Precision).
Refer Airservices NOTAM published notifying ILS GP 'IDN' 333.2 RWY 29 U/S DUE DHTR
RWY 11/29 EASTERN AAS NOT AVBL WHEN 29 THR DISPLACED
TWY A6 AVBL BETWEEN TWY D AND FRA FOR MIL ACFT

3.14 RTAO - Stage 22

| | | | |
|---------------------------------------|---|-----------------------|---|
| Planned dates | 13-Nov-24 to 20-Dec-24 6-Jan-25 to 29-Jan-25 | Drawing | ANNEX B – STAGE 22 |
| Phase | Grooving | RWY 11-29 TORA | During Stage 15 RTS 29 RWY 1420m 11 RWY 1480m At all other times the full Runway 11-29 TORA will be available. |
| Zones | On-pavement: 5, 4-6, 4-5, 4-4, 4-3, 4-2 Off-pavement (drainage): n/a Off-pavement (AGL): E | Shift timing | 13-Nov-24 to 9-Dec-24 RTS (0145 - 0545 Local) 9-Dec-24 to 20-Dec-24 RTS (0145 – 0445 Local) or RTS (0145 - 0545 Local) depending on the day of the week as per NOTAM 6-Jan-25 to 29-Jan-25 RTS (0145 – 0445 Local) |
| Activities | <ul style="list-style-type: none">• Works in Stage 22 include grooving inclusive of line marking reinstatement.• Reinstatement of inset AGL lighting and secondary cable slotting following the grooving works including commissioning and powering the reinstated lights. | | |
| Restrictions: Manoeuvring Area | | | |
| Runways | DTHR11 by 1934m / 1874m W END RWY 11/29 CLOSED DTHR11 at CH1934. Temp Displaced Threshold at the RWY 11 end for RTS times only. | | |
| Taxiways | Taxiway A1 closed, north of TWY W. Taxiway V2 closed. Taxiway B1 closed. Taxiway B2 closed. Taxiway E1 closed. Taxiway E2 closed. Taxiway T closed. | | |
| Aircraft type restrictions | Aircraft operations above Code 2 at discretion of the aircraft operator. | | |

3.15 RTAO - Stage 23

| | | | |
|---------------------------------------|---|-----------------------|---|
| Planned dates | 30-Jan-25 to 31-Mar-25 | Drawing | ANNEX B – STAGE 23 |
| Phase | Grooving | RWY 11-29 TORA | During Stage 23 RTS 29 RWY 1481m 11 RWY 1421m At all other times the full Runway 11-29 TORA will be available. |
| Zones | On-pavement: 4-2, 4-1, 3, 2, 1 Off-pavement (drainage): n/a Off-pavement (AGL): E | Shift timing | RTS (0145 – 0445 Local) |
| Activities | <ul style="list-style-type: none">• Works in Stage 23 include grooving inclusive of line marking reinstatement.• Reinstatement of inset AGL lighting and secondary cable slotting following the grooving works including commissioning and powering the reinstated lights. | | |
| Restrictions: Manoeuvring Area | | | |
| Runways | DTHR29 by 1933m / 1873m E END RWY 11/29 CLOSED DTHR29 at CH1421. Temp Displaced Threshold at the RWY 29 end for RTS times only. | | |
| Taxiways | Taxiway A6 closed, east of the FRA. Taxiway D closed. Taxiway E1 closed. Taxiway E2 closed. Taxiway T closed. | | |
| Aircraft type restrictions | Aircraft operations above Code 2 at discretion of the aircraft operator. RWY11 Intersection Departures from TWY B1 & B2 Not available. RWY11 Intersection Departures from TWY C3 & C4 available to Light Single Engine Aircraft only. | | |

3.15.1RTAO - Stage 23 NOTAM

| Stage 23 NOTAM | | | | | | | | | | | | | | | | |
|--|---|-------------------|-------------|-------------|------|-----|--------|-------------|-------------------|-------------|-------------|--------|-------------|-------------------|-------------|-------------|
| <p>THR RWY 29 DISPLACED 1933M DUE WIP RWY 11/29 OPR LEN REDUCED BY 1873M E END DISPLACED THR MARKED BY GREEN THR LGT EACH SIDE OF RWY HN AND RWY THR IDENT LGT HJ, PILOT MNT OBST 15 FT AGL ON RWY 1611M FM START OF TORA RWY 11 REVISED DECLARED DISTANCES</p> <table><tr><th>RWY</th><th>TORA</th><th>TODA</th><th>ASDA</th><th>LDA</th></tr><tr><td>RWY 11</td><td>1421 (4662)</td><td>1481 (4859) (4.0)</td><td>1421 (4662)</td><td>1421 (4662)</td></tr><tr><td>RWY 29</td><td>1481 (4859)</td><td>1571 (5154) (1.2)</td><td>1481 (4859)</td><td>1421 (4662)</td></tr></table> <p>SUPPLEMENTARY TKOF DIST: RWY 11- 1238 (4061) (1.6) 1294 (4245) (1.9) 1343 (4406) (2.2) 1385 (4541) (2.5) 1448 (4751) (3.33) RWY 29 TKOF TO COMMENCE AT RED LGTS HN AND RED AND WHITE CONES HJ RWY 11 DIST TO RUN MARKERS READ INCORRECTLY WHEN 29 THR DISPLACED RWY 11 TWY B1, B2, E1, E2, C3 AND C4 TKOF RUN AVBL SIGNS READ INCORRECTLY WHEN 29 THR DISPLACED ACTIVE LAND AND HOLD SHORT OPS (LAHSO) NOT AVBL WHEN THR RWY 29 DISPLACED 1933M</p> <p>PAPI RWY 29 NOT AVBL WHEN THR DISPLACED RWY 29 TEMPO PAPI AVBL LH SIDE 3.0 DEG 29FT RWY THR IDENT LGTS AND TEMPO PAPI PILOT MNT</p> <p>TWY A6, TWY D, TWY E1, TWY E2 CLOSED DUE DISPLACED THR RWY 29</p> <p>REFER METHOD OF WORKING PLAN YPDN 23/02 STAGE 23</p> | | RWY | TORA | TODA | ASDA | LDA | RWY 11 | 1421 (4662) | 1481 (4859) (4.0) | 1421 (4662) | 1421 (4662) | RWY 29 | 1481 (4859) | 1571 (5154) (1.2) | 1481 (4859) | 1421 (4662) |
| RWY | TORA | TODA | ASDA | LDA | | | | | | | | | | | | |
| RWY 11 | 1421 (4662) | 1481 (4859) (4.0) | 1421 (4662) | 1421 (4662) | | | | | | | | | | | | |
| RWY 29 | 1481 (4859) | 1571 (5154) (1.2) | 1481 (4859) | 1421 (4662) | | | | | | | | | | | | |
| Remarks (Details of any special restrictions and the requirements for the issue of NOTAMs) | <p>RWY 11/29 Reclassified as a Code 2 Runway Non-Instrument</p> <p>Refer Airservices NOTAM published notifying ILS GP 'IDN' 333.2 RWY 29 U/S DUE DTHR</p> <p>RWY 11/29 EASTERN HOOKCABLE NOT AVBL WHEN 29 THR DISP TWY A6 AVBL BETWEEN TWY D AND FRA FOR MIL ACFT</p> | | | | | | | | | | | | | | | |

4 DECLARED EMERGENCIES AND ADVERSE WEATHER

All work zones can only be conducted during normal visual meteorological conditions (VMC) and will be terminated during periods of reducing visibility in accordance with Darwin Airports low visibility procedures.

The work sequence is to be managed in order to enable vacate of works site within 30 minutes with no return to operational status.

ARFF vehicles responding to a declared emergency will have access to the works site under direction of WSO.

Under the direction of Air Traffic Control (ATC), DAR ARO or Base Aviation Safety Officer (BASO), the Works Safety Officer (WSO) is responsible for instructing the works contractor to vacate the work site in the event of a declared emergency.

Note that provision of AFIS includes SARWATCH, In-Flight Emergency Response (IFER) and Alerting Services outside operational ATC hours. The AFIS controller will pass/receive emergency details as required including passing details of arriving emergency aircraft to the DIA Safety Officer and ARFF.

The WSO is to remain in contact with ATC (during operational hours) and or monitor the CTAF frequency 133.1, when ATC is not active.

Weather conditions including thunderstorms will be monitored by the WSO via BOM and / or thunderstorm alerting software.

The WSO, in consultation with the Works Contractor, will advise ATC whether reinstatement of the manoeuvring area is possible or not possible.

Works will not be carried out during periods where Low Visibility Operations are declared. All stages could be adversely affected by wet weather and may result in delays or temporary stoppages of the works.

All works are to vacate the airfield when lightning is within 5 nautical miles of the aerodrome, WSO to direct the Works Contractor.

5 NOTAM

The ADG Head of Airside Operations or approved delegate is responsible for approving and issuing the NOTAM for each stage of the works.

DIA will confirm that the NOTAM has been raised for the relevant stage of the works prior to the commencement.

The NOTAM per Work Stage is described in the above section, **2 RESTRICTIONS TO AIRCRAFT OPERATIONS (RTAO)**.

The actual date and time of commencement will be advised by a NOTAM, to be issued not less than 48 hours before work commences.

6 Return To Service Timings

During periods where the runway is displaced under RTS conditions the commencement time of the displacement has been set to ensure works are able to be conducted with minimal disruption to operators. Given the complexity of the staging and scope of works these times are fixed, with any changes to timings having impacts to the works program. The DIA Scheduling Guidelines, as published on the Airport Coordination Australia website has been amended to reflect the timings.

In the event that a late arrival/departure will be impacted by the commencement of the displacement, the decision to defer the works is at the discretion of the DoD. Upon realisation of a late arrival/departure, the operator is to notify the DIA Airport Duty Manager of the delay, this will trigger a notification process with DoD to make an assessment and ultimate decision on the displacement taking place at the scheduled timing. Operators are to be aware that any late arrival/departure may result in cancelation of inbound and/or outbound flights.

7 PERSONNEL AND EQUIPMENT

7.1 General

The works are to take place on and in the vicinity of aircraft manoeuvring areas and the specific requirements of this MOWP and conditions contained within CASA 07/24 – Darwin Aerodrome (Relevant Activities in Obstacle Restriction Area – Runway 11/29), together with site instructions from the Works Safety Officer (or the DIA Terminal and Airside Operations Officer) must be strictly followed at all times.

While at the work site, all vehicles, plant and personnel must remain within the limits of the designated works area. All vehicles and plant not actually engaged in the works are to be parked clear of the works and movement area in an area nominated by the Works Safety Officer.

The limits of the work areas are to be defined by row of orange road markers (non-reflective witches' hats) and lights in accordance with Part 139 MOS, across the runways or taxiways in accordance with the relevant NOTAM. The Works Organisation must not move beyond these lines.

Works are to comply with the Fulton Hogan Work Health and Safety Plan for the project, including all requirements for Personal Protective Equipment (PPE).

Smoking is not permitted airside or within any restricted areas of the aerodrome.

7.2 Control of Works Personnel, Security and Safety of Aircraft Operations

All personnel associated with the work are bound by any instructions issued by the WSO, who has the right to refuse access to persons likely, in his/her opinion, to compromise aircraft safety on the airfield.

Any breaches of aviation safety and aircraft safety occurrences (not detected by the WSO) must be reported to the WSO.

The WSO must initiate an immediate response in consultation with ATC, ADG-DIA (Safety 1) and the BASO.

The BASO will prepare and submit an Aviation Safety Report (ASR) if required, and provide details to the P0009 PMCA, Defence personnel and the DIA Head of Airside.

7.3 Vehicles and Plant

Vehicles and plant used for these works will include various vehicles, trucks, and trailers; asphalt profiler and paver; and suction sweeper. All vehicles plant and equipment used for airside access are to be fitted with flashing beacons and use dipped headlights during nightworks. Vehicles and equipment used in these works are not to exceed the equipment maximum heights above ground level detailed in each Stage Drawing.

No movement of vehicles or plant is to take place outside the works areas or access routes without the consent of the WSO. Only vehicles and plant engaged in the work activities shall be permitted at the work site. Private vehicles will not be permitted at the airside work site.

At the end of each work period, all vehicles, plant, equipment, and material are moved clear of the works area and parked in the designated parking area.

Vehicles and self-propelled items of plant are to have vehicle warning lights as detailed in CASR MOS Part 139 Section 14.05: Airside vehicle lighting requirements.

The Works Contractor Vehicle Management Plan is to be developed and approved by DIA and RAAF Darwin prior to any works commencing.

7.4 Critical and Sensitive Areas - CNS Equipment

The Glide Path will be switched-off by Airservices during all works stages at the eastern end (Displaced Thresholds - RWY 29), and the Localiser will be switched-off during all works stages at the western end (Displaced Thresholds – RWY 11) and there are no restrictions for vehicles or equipment operating in the proximity of the critical and sensitive areas during the respective works stages.

7.5 Access to the Works and Security

Access to all works area is to be agreed with the RAAF BAEO and the WSO. Movement of vehicles, plant and equipment must be confined to designated access routes.

DIA TAOO staff may require access to the work site to conduct wildlife hazard management. These activities could include the use of flashing lights, sirens and discharge of firearms and will be conducted in consultation with the WSO.

All personnel are to have on their person and visible at all times a valid security pass issued by the RAAF Base Darwin Pass Office or equivalent in accordance with DI (AF) ADMIN 14-7 – Visits to Air Force Establishments.

Personnel are only permitted to move about the designated work areas, and only using the designated access routes. Any person detected on the site outside these limits may be evicted from the site and denied return.

All works at RAAF Base Darwin are to be conducted in accordance with:

1. DAR SI(ADMIN) 14-01 – *Visits to RAAF Base Darwin*
2. DAR SI(ADMIN) 09-10 – *Photography-imagery at RAAF Base Darwin*

3. DAR SI(LOG) 14-01 – *Request to Conduct Works*
4. DAR Aerodrome Manual – *Aerodrome works Safety/Management*

Additional instructions maybe applicable for specific works; the Contractor is to consult with the RAAF BAEO prior to undertaking works for access to the abovementioned documents.

7.6 Visual Ground Aids

Markings, markers, and ground lighting are not to be installed, altered, or removed without the approval of the Works Safety Officer. Any markings or markers that are required to be moved or removed due to works in progress must be advised to the DIA Terminal and Airside Operations Officer and reinstated prior to the completion of the works shift.

Any accidental damage to the markers must immediately be reported to the Works Safety Officer and to the DIA Terminal and Airside Operations Officer.

7.7 Works Permits

To prevent damage to airport lighting systems and other airport facilities the Defence Personnel must obtain dig permits from the local Defence Support; contact Mr Jeff Grose, prior to undertaking any excavation on the site.

All works are to be undertaken in accordance with the P0009 Construction Environmental Management Plan (CEMP) and approved Environmental Clearance Certificate (ECC).

7.8 Protection of Electrical Services

The Contractor must confirm the location of all underground services within the vicinity of the works to be undertaken. Any works on or near electrical cables must be referred to the DIA Technical Team Leader a minimum of 48 hours prior to commencement of works to arrange all necessary isolations or temporary connections.

7.9 Crane Permit

A permit must be obtained prior to erection of any crane on airport and/or use of equipment that will exceed the equipment maximum heights above ground level detailed in each Stage Drawing.

Applications for approval must be sent to airportoperations@ntairports.com.au

7.10 Other Restrictions

All loose material and equipment must be secured against movement in strong winds or aircraft propeller wash or jet blast.

Any damage to aerodrome facilities or property must be reported immediately to the Works Safety Officer and the DIA Terminal and Airside Operations Officer.

Personnel and equipment may need to partially withdraw from a work area to avoid propeller wash or jet blast from a departing or passing aircraft. The Works Safety Officer will direct the Works Contractor to vacate to a safe working distance before aircraft movement.

7.11 Environmental

Environmental impacts have been assessed with controls documented within the Fulton Hogan P0009 Construction Environmental Management Plan (CEMP), approved Environmental Clearance Certificate (ECC) and the DIA / RAAF Base Darwin Wildlife Hazard Management Plan.

7.12 Foreign Object Debris (FOD) Control

The Works Contractor is to ensure that aircraft pavements used or crossed during the works are kept clean and free of debris. Any debris is to be immediately removed by the Works Contractor to the satisfaction of the WSO.

All loose material and equipment are to be secured against movement in strong winds or aircraft blast. Measures shall be taken at all times for control of dust or other nuisance materials and the Works Contractor shall immediately respond to any direction by the DIA Terminal and Airside Operations Officer, WSO, BAEO or BASO to eliminate any problem. The Works Contractor is responsible for implementing appropriate control measures.

On completion of each work period where airfield movement areas are required to be returned to active use, the Works Contractor is to ensure the works area is made serviceable, including the removal of all FOD hazards, to the satisfaction of the WSO.

Prior to vacating the work site when returning a works area back to service, a joint inspection will occur inclusive of a DIA representative, RAAF Darwin representative and the WSO at the end of each shift. Following the joint written approval of the suitability of the works area for aircraft activity, the Works Contractor will vacate the work site.

8 AERODROME MARKERS, MARKINGS and LIGHTS

The works contractor shall mark, paint, and light the unserviceable areas of the airfield affected by the works in accordance with the requirements of CASA Part 139 MOS – Aerodromes and this will be reviewed by RAAF Base Darwin / Darwin International Airport.

The Works Contractor is responsible for deploying and removing all AGL, works limit markings (non-reflective orange witches' hats) and temporary runway end markers (red and white cones).

The works contractor is responsible for deploying and removing 36m high unserviceability markers (white crosses) for the temporary runway closures and displaced thresholds.

Aerodrome markers, markings, and lights (visual aids) associated with this MOWP are detailed in the following subsections. All markers are to be appropriately secured against jet blast and or high winds.

8.1 Unserviceability Markers

Closed portions of the manoeuvring area will be marked by red and white unserviceability markers (refer to CASA Part 139 MOS Section 8.108) during the day, and red lights at night.

Unserviceability markers for the runway (white crosses) are recommended by CASA Part 139 MOS at international and frequent aircraft movement aerodromes. These will accompany the temporary runway threshold displacements for RWY 11-29 and partial runway closures of RWY 11-29.

8.2 Works Limit Markers

The limit of works is marked with Works limit markers – non-reflective orange witches' hats (and orange lights at night). The installation of the Works Limits markers is the responsibility of the Works Contractor. All personnel (and equipment) must remain within the designated works area, this includes when working in the runway strip.

A clearance from ATC when active or broadcast on CTAF when ATC not active, to enter the runway is required to proceed past the limit of works markers and/or lights, this includes to access the portion of the runway between the limit of works and the red and white cones.

8.3 Lighting

All lighting within and directly leading into the closed portion of the manoeuvring area will be obscured or extinguished by the Works Contractor as instructed by the WSO. The contractor shall make sure not obscure or move any temporary runway or taxiway lighting associated with the works.

8.4 RWY 11-29 Temporary Displaced Thresholds

Temporary displaced threshold markings ("Vee-bars") are not required for the displacement of RWY 29 threshold which are indicated with Runway Threshold Identification Lights (RTIL) for scheduled international transport operations which is in accordance with Part 139 (Aerodromes), MOS Section 8.27(3).

RTIL must be placed as detailed in CASA Part 139 MOS Section 9.59 (5) will be used to identify temporarily displaced thresholds (green threshold lights each side of the runway at night).

8.5 RWY 11-29 Temporary PAPIs

Temporary PAPI wing bars (double-sided PAPI's) shall be installed for non-RTS Stages as per CASA Part 139 MOS Section 9.44, to service the agreed runway threshold displacements for RWY 11-29, with runway threshold displacements as stated in preceding sections of this MOWP.

Temporary PAPI wing bar (single-sided PAPI) shall be installed for non-RTS Stages as per CASA Part 139 MOS Section 9.44 (3)(4), when there is a physical obstruction and a double-sided PAPI is not reasonably practical to be installed.

Temporary PAPI wing bars (single-sided PAPI's) shall be installed for RTS Stages as per CASA Part 139 MOS Section 9.44, to service the agreed runway threshold displacements for RWY 11-29, with runway threshold displacements as stated in preceding sections of this MOWP.

The location of the temporary PAPI wing bars is indicated on the drawings included in Appendix B.

The deployment of the temporary PAPI wing bars shall be by the Works Contractor, with the necessary survey associated with the deployment of the wing bar to be arranged by the Works Contractor.

8.6 Works within the Runway Strip

Works within the Runway 11-29 Strip are only to occur in accordance with CASA 07/24 – Darwin Aerodrome (Relevant Activities in Obstacle Restriction Area – Runway 11/29) and as detailed in the Stage's work extents, Stage's working times, and maximum vehicle heights.

Works within the Runway 18-36 Strip will remain clear of the transitional surfaces at all times, subject to WSO approval.

9 ADMINISTRATION

9.1 Design Consultant (DC)

The Design Consultant for P0009 is **Aurecon Australasia Pty Limited (Aurecon)**. The Works Organisation and WSO are subsequently sub-contractors as per sub-contractor agreements.

The DC Consultant's Representative for P0009 is Mr Tim Meinecke [not on site]. The DC's on-site Representative is included in the table in section **7.6 Contact Details**.

The Design Consultant's Representative may be contacted on the following numbers:
Mobile: +61 425 794 411
Email: tim.meinecke@aurecongroup.com

9.2 Works Organisation / Contractor

The Contractor's Project Manager will be Mr Edward Callaghan (Mobile: 0439 281 658)

The Contractor's Works Manager will be Mr Dayne Clarke (Mobile: 0429 000 743)

The Fulton Hogan duty phone number will be (Mobile: 0499 573 099)

The Contractor's Works Manager or his/her delegate must be present on site during all work periods and is responsible for complying with the requirements of this MOWP.

All contact, with the Base, by the Contractor, in relation to the work, is to include PMCA and the E&IG Project Officer.

9.3 Project Manager Contract Administrator (PMCA)

The PMCA for P0009 is Mr Pete Muir [not on site].

The PMCA may be contacted on the following numbers:
Mobile: +61 401 348 371
Email: pete.muir@beca.com

The PMCA's on-site Representative is included in the table in section **7.6 Contact Details**.

9.4 Works Safety Officer

The nominated Works Safety Officers (WSOs) for these works will be from Oz Airports and Tarmac Aerodrome Operations.

The Tarmac Aerodrome Operations lead WSO will be Jason Dechaineux (Mobile: 0429 467 481) and Tarmac Aerodrome Operations will be responsible for the operational safety of the works for RTS shifts.

The Oz Airports duty phone number will be (Mobile: 0483 208 157) and Oz Airports will be responsible for the operational safety of the works at all other times, including during non-RTS shifts and outside of scheduled working hours.

A joint DIA and RAAF approval process for WSOs is in place for works within the JUA. A letter is to be provided to DIA by the Base Aviation Safety Officer (BASO) to confirm that the nominated WSO has the appropriate level of training to undertake the tasks as detailed in this MOWP.

The WSO contact details are included in section **7.6 Contact Details.**

The WSO is responsible for the operational safety of the works and carrying out WSO duties in accordance with the requirements CASA MOS Part 139 13.04 Works safety officer; and 15.04 Management and Control of Aerodrome Works, CASA 07/24 – Darwin Aerodrome (Relevant Activities in Obstacle Restriction Area – Runway 11/29) and this MOWP.

The WSO must be present on site at all times while work is in progress.

The WSO must maintain radio communications with Darwin SMCV on 119.55 MHz when ATC is active in accordance with procedures agreed with RAAF ATC and monitor CTAF 133.1 when ATC not active.

The WSO must have a copy of this MOWP accessible at all times.

9.5 Base Aviation Safety Officer

The BASO will provide airside induction training to the personnel involved in carrying out any works on the manoeuvring areas, including competency check of WSOs involved in these works.

The BASO will be the main point of contact for any aviation safety issues during the Works.

The BASO for the works will be SQNLDR Jay Murray.

9.6 Contact Details

| RAAF Base Darwin – 13 Squadron | | |
|--|-------------------------------|--|
| CO 13 Squadron SADFO | WGCDR Lauren Guest | T: 08 8974 4474 M: 0408 485 621 E: Lauren.guest@defence.gov.au |
| Air Base Executive Officer | SQNLDR Andrew Miller | M: 0407 615 214 E: andrew.miller10@defence.gov.au |
| Base Aviation Safety Officer | SQNLDR Jay Murray | M: 0409 669 214 E: dar.baso@defence.gov.au |
| Base Airfield Engineering Officer | FLGOFF Patrick Tanner | M: 0458 134 234 E: patrick.tanner@defence.gov.au |
| RAAF ATC - 452 SQN DAR FLT | | |
| 452SQN DAR FLT CDR | SQNLDR James Lee | T: 08 7929 4671 M: 0408 892 476 E: 452sqndar.fltcdr@defence.gov.au |
| 452SQN DAR FLT OPS CDR | SQNLDR Stephanie Gartshore | T: 08 7929 4673 (APP SPVR) M: 0408 809 864 E: 452sqndar.opscdr@defence.gov.au |
| ATC Duty Controller | Various | T: 08 7929 4816 (TWR SPVR) E: dar.atc@defence.gov.au |
| CFI | | |
| Director General Capital Facilities and Infrastructure | AIRCDRE Ron Tilley | T: 02 6266 8075 M: 0467 714 744 E: ron.tilley@defence.gov.au |
| Director – National Projects | GPCAPT Adrian Carswell | T: (02) 5108 6615 M: 0448 736 766 E: adrian.carswell@defence.gov.au |
| Project Director - National Airfield Projects | WGCDR Sunil Nayaran | M: 0451 131 844 E: sunil.nayaran1@defence.gov.au |
| Senior Project Officer - National Airfields Projects | Paul Smit | T: 02 6266 8081 M: 0420 977 063 E: paul.smit@defence.gov.au |
| Assistant Project Manager | Simon Ganter | T: 02 6266 8814 M: 0429 446 538 E: simon.ganter1@defence.gov.au |
| DEIC | | |

| | | |
|---|------------------------|---|
| Base Infrastructure Officer | FLTLT David Champion | M: 0400 821 116 E: david.champion2@defence.gov.au |
| DEEP | | |
| Senior Civil Engineer – DEEP | SQNLDR Kathleen Pearce | T: 02 6266 8207 E: adf.ces@defence.gov.au |
| Assistant Director Aerodrome Policy – DEEP | Anthony Wade | T: 08 7374 1538 E: Anthony.wade1@defence.gov.au |
| SDD | | |
| Regional Environment and Sustainability Officer | Katina Croft | M: 0409 883 566 E: Katina.croft@defence.gov.au |
| Base Manager – RAAF Base Darwin | Kerryn Luby | T: 08 7971 2853 M: 0438 630 377 E: kerryn.luby@defence.gov.au |
| Assistant Base Manager | Diane Popple | T: 08 7971 1274 M: 0427 953 862 E: diane.popple@defence.gov.au |
| Darwin International Airport | | |
| Executive General Manager Operations | Rob Porter | T: 08 8920 1832 E: rob.porter@adgnt.com.au |
| Head of Airside Operations | Glen Dodds | T: 0447 572 766 E: Glen.dodds@adgnt.com.au |
| Airside Manager | Mike Clancy | M: 0423 797 355 E: Mike.clancy@adgnt.com.au |
| Aerodrome Safety & Standards Manager | Bob Calaby | M: 0402 088 163 M: Bob.calaby@adgnt.com.au |
| Beca Consultants (PMCA) | | |
| PMCA | Pete Muir | T: 07 3117 6694 M: 0401 348 371 E: pete.muir@beca.com |
| Assistant Project Manager | Kristian Smith | M: 0404 385 389 E: kristian.smith@beca.com |
| a/ Assistant Project Manager | Lindsay Murray | M: 0404 135 339 E: lindsay.murray@beca.com |
| Aurecon Australasia Pty Ltd (DSC) | | |
| Consultant's Representative | Tim Meinecke | M: 0425 794 411 E: tim.meinecke@aurecongroup.com |

| | | |
|---|------------------|--|
| Project Manager | James Kelleher | M: 0407 761 987 E: james.kelleher@aurecongroup.com |
| Design Manager | Kevin Dearden | T: 03 9975 3000 M: 0438 297 771 E: kevin.dearden@aurecongroup.com |
| Contractor – Fulton Hogan | | |
| Project Manager | Edward Callaghan | M: 0439 281 658 E: Edward.Callaghan@fultonhogan.com.au |
| Works Manager | Dayne Clarke | M: 0429 011 396 E: Dayne.Clarke@fultonhogan.com.au |
| OZ Airports - Works Safety Officer (WSO) | | |
| Director | Rod Cecchini | M: 0407 721 664 E: admin@ozairports.com.au rod.cecchini@ozairports.com.au |
| NT Manager | Simon Spence | M: 0447 544 724 E: simon.spence@ozairports.com.au |
| Tarmac Aerodrome Operations (WSO) | | |
| Director | Jason Dechaineux | M: 0429 467 481 E: jason@taops.com.au |

9.7 Distribution

This MOWP is to be distributed to all of the persons and agencies listed in the Distribution List attached at **ANNEX A**.

10 AUTHORITY

10.1 Issue

This MOWP is issued in accordance with CASA Part 139 MOS – Aerodromes (CASA, 2019).

All work must be carried out in accordance with these documents and the specific requirements of this MOWP.

10.2 Variation

Requests or proposals to vary the MOWP, as well as queries on its content or meaning, are to be directed to the RAAF Base Representative FLGOFF Patrick Tanner and DIA Representative Glen Dodds.

10.3 Expiry

This MOWP will remain effective until 31 March 2025 unless extended by amendment.

10.4 Approval

Under the authority of the following signatures, this MOWP is approved for release.

RPorter
Digitally signed by
Rob Porter
Date: 2024.04.26
14:15:02 +09'30'

Rob Porter
EGM - Airports
Airport Development Group

Lauren.Guest
Digitally signed by
Lauren.Guest
Date: 2024.04.26
13:32:04 +09'30'

WGCDR Lauren Guest
CO 13 Squadron
RAAF Base Darwin

11 ANNEX A – DISTRIBUTION LISTS

| RAAF BASE Darwin | | |
|---|--|--|
| 13 SQN – RAAF Darwin | | |
| WGCDR Lauren Guest | SADFO | Lauren.guest@defence.gov.au |
| SQNLDR Andrew Miller | ABXO | andrew.miller10@defence.gov.au |
| SQNLDR Toan Nguyen | Airbase Operations FLTCDR | toan.nguyen@defence.gov.au |
| FLTLT David Champion | Base Infrastructure Advisor | Dar.13sqnbia@defence.gov.au David.champion2@defence.gov.au |
| FLGOFF Patrick Tanner | BAEO | patrick.tanner@defence.gov.au dar.baeo@defence.gov.au |
| SQNLDR Jay Murray | BASO 13 SQN | Dar.baso@defence.gov.au |
| SGT Troy Ammerlaan | AAS SNCO MEOMS 13 SQN | troy.ammerlaan@defence.gov.au |
| CPL Luke O'Brien | | luke.obrien4@defence.gov.au |
| WOFF Paul Healey | MEOMS 13 SQN | Paul.healey@defence.gov.au |
| Air Base Command Post | ABCP | dar.abcp@defence.gov.au |
| 452 SQN DAR FLT – RAAF ATC | | |
| SQNLDR James Lee | 452SQN DARFLT CDR | 452SQNDAR.fltcdr@defence.gov.au |
| SQNLDR Stephanie Gartshore | 452SQN DARFLT OPS CDR | 452SQNDAR.OPSCDR@defence.gov.au |
| 452SQN – Various | ATC Duty Controller | DAR.ATC@defence.gov.au |
| Defence Support – RAAF Base Darwin | | |
| Kerryn Luby | Base Manager RAAF Base Darwin | Kerryn.luby@defence.gov.au |
| Diane Popple | Assistant Base Manager RAAF Base Darwin | Diane.popple@defence.gov.au |

| | | |
|--|--|--|
| Jeff Grose | Senior Base Support Operations Officer | Jeffrey.Grose@defence.gov.au |
| Katina Croft | Senior Environment Officer | katina.croft@defence.gov.au |
| CFI | | |
| AIRCDRE Ron Tilley | Director General Capital Facilities and Infrastructure | Ron.tilley@defence.gov.au |
| GPCAFPT Adrian Carswell | Director – National Projects | Adrian.carswell@defence.gov.au |
| WGCDR Sunil Narayan | Project Director – National Airfield Projects | sunil.narayan1@defence.gov.au |
| Paul Smit | Senior Project Officer – National Airfields Projects | Paul.smit@defence.gov.au |
| Simon Ganter | Assistant Project Manager | Simon.ganter1@defence.gov.au |
| DEEP | | |
| Senior Civil Engineer | SQNLDR Kathleen Pearce | Adf.ces@defence.gov.au |
| Beca Consultants (PMCA) | | |
| Pete Muir | PMCA | pete.muir@beca.com |
| Kristian Smith | Assistant Project Manager | Kristian.smith@beca.com |
| Lindsay Murray | a/ Assistant Project Manager | Lindsay.murray@beca.com |
| Aurecon Australasia Pty Ltd (DSC) | | |
| Tim Meinecke | Consultant's Representative | Tim.meinecke@aurecongroup.com |
| James Kelleher | Project Manager | james.kelleher@aurecongroup.com |
| Kevin Dearden | Design Manager | Kevin.dearden@aurecongroup.com |
| Andrew Barkham | Site Surveyor | Andrew.barkham@aurecongroup.com |

| Contractor – Fulton Hogan | | |
|--|--------------------------------------|--|
| Edward Callaghan | Project Manager | Edward.callaghan@fultonhogan.com.au |
| Dayne Clarke | Works Manager | dayne.clarke@fultonhogan.com.au |
| WSO – Oz Airports | | |
| Rod Cecchini | Director | Rod.cecchini@ozairports.com.au admin@ozairports.com.au |
| Simon Spence | NT Manager | Simon.spence@ozairports.com.au |
| WSO – Tarmac Aerodrome Operations | | |
| Jason Dechaineux | Director | jason@taops.com.au |
| Darwin International Airport | | |
| Rob Porter | EGM Operations | rob.porter@adgnt.com.au |
| Glen Dodds | Head of Airside | Glen.dodds@adgnt.com.au |
| Bob Calaby | Aerodrome Safety & Standards Manager | bob.calaby@adgnt.com.au |
| Mike Clancy | Airside Manager | mike.clancy@adgnt.com.au |
| Takudzwa Charlie | Director of Projects | Takudzwa.charlie@adgnt.com.au |
| Matthew Evans | Environment Officer | Matthew.evans@adgnt.com.au |
| Ian Pask | Head of Electrical | Ian.pask@adgnt.com.au |
| George Cheriyan | Senior Operations Coordinator | George.cheriyen@adgnt.com.au |
| Melanie Cobbin | Head of Terminal Operations | Melanie.cobbin@adgnt.com.au |
| Allan Woo | Aviation Development Manager | Allan.woo@adgnt.com.au |

| | | |
|----------------|--|--|
| TAOO - Various | Terminal & Airside Operations Officers | Dia.TAOO@adgnt.com.au |
| TSO - Various | Technical Services Officer | Diatechs@adgnt.com.au |

External Distribution – Airlines and Agencies

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| Airservices | |
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| Civil Aviation Safety Authority | |
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| Territory Air Services | chiefpilot@territoryairservices.com.au |
| Team Global Express (Toll Group) | Dwayne.Jude@teamglobalexp.com TGEAviationOpsControl@teamglobalexp.com |
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| Westonia Aviation | operations@westoniaav.com.au |





























