

**AIP SUPPLEMENT
(SUP)****H92/21****Effective: 202107301600 UTC**

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SYDNEY/KINGSFORD SMITH (YSSY) AIRPORT RUNWAY 16R THRESHOLD SLAB REPLACEMENT PROJECT

1. INTRODUCTION

- 1.1 This AIP SUP cancels and replaces SUP H84/21 changes in para 4.10 and 4.11
- 1.2 Sydney Airport is reconstructing the rigid pavement at the RWY 16R (RWY 16R) THR. The concrete slabs at the RWY 16R THR were originally built in 1968 and have reached the end of its service life.
- 1.3 Due to the location of the RWY 16R THR, site access for a full reconstruction of the rigid pavement has been constrained to date, however the current COVID-19 related downturn in the aviation industry and the consequent reduced aircraft movement volumes have provided the opportunity for the works under modified RWY operating conditions.
- 1.4 During these works 473M of the northern end of RWY16R/34L will be unavailable and the RWY will be operated with a reduced length. RWY 16R arrivals will not be available.

2. WORKS

- 2.1 The works may comprise:
 - Line marking, aeronautical ground lighting and information and mandatory sign adjustments to reflect the shortened RWY 16R.
 - Demolishing of the RWY 16R THR rigid pavement structures.
 - Reconstruction of the RWY 16R THR rigid pavement structures.
 - Demolishing the flexible pavement.

- Construction of flexible pavement.
- Removal of airfield ground lighting.
- Installation of new airfield ground lighting; and,
- Installation of line marking and airfield MAG signs.

3. DURATION

3.1 The closure will be in place from 31 July 2021 until 21 November 2021 as activated by NOTAM.

4. AIRPORT OPERATIONS

4.1 The work will take place within a number of Stages as set out in the Method of Working Plan (MOWP) for the project, YSSY 21/001.

4.2 Works not affecting RWY 16R/34L operations will be carried out during non-curfew hours. This will include a 24HR worksite established on the RWY 16R THR which have been removed from service.

4.3 Works affecting RWY 16R/34L operations will be carried out during curfew hours. These works will be notified by NOTAM.

4.4 Actual dates and times of work and operational restrictions will be advised by NOTAM.

4.5 The following changes to RWY 16R operations will be in effect for the duration of the works:

4.5.1 RWY 16R will be unavailable for arrivals

4.5.2 Take-off RWY 16R Aircraft with a wingspan greater than 36M:

- Depart from TWY G intersection.
- Under ATC approval may enter RWY 16R via TWY F with requirement to taxi south on the RWY and hold at TWY G intersection. Expect take-off clearance from TWY G.
- B747 and B767 aircraft excluded from entering RWY 16R from TWY F from the west.
- TWY F available for RWY crossings for all aircraft types under tow.

4.5.3 Take-off RWY 16R aircraft with a maximum 36M wingspan:

- Depart from TWY B4 and TWY G intersections.
- Under ATC approval may enter RWY 16R via TWY F or TWY B3 with requirement to taxi south on the RWY and hold at TWY B4 intersection. Expect take-off clearance from TWY B4.

4.5.4 Take-Off RWY 16R turbo prop aircraft:

- Departure from TWY F or other TWY intersection south of TWY F as approved.
- Departure from TWY B6 restricted to aircraft maximum 22,000KG MTOW.

4.6 RWY 16R facilities impacted during the works:

4.6.1 Navigational and visual aids

- The RWY 16R ILS will not be available for the duration of the works.
- RWY 16R PAPI will not be available for the duration of the works.

4.7 The following changes to RWY 34L operations will be in effect for the duration of the works:

- The 34L RWY end line marking and lights will be relocated to 3,489M from RWY 34L THR.
- RWY 34L will be available for arrivals with a LDA of 3,489M
- RWY 34L will be available for departures with a TORA of 3,000M

4.8 The following RWY 34L facilities will not be available:

- The RWY 34L ILS will be turned off during construction works from Monday 0500 to Saturday 1800 Local. Outside of these days and times, the ILS will be re-activated.
- PRM not available.

4.9 RWY lighting

- RWY lighting will be adjusted to provide correct colour and pattern for the reduced RWY length.
- The RWY 16R high intensity approach lighting will not be available.
- The RWY 16R touchdown zone lighting will not be available.

4.10 Runway Distance Supplement Changes

Whilst RWY 16R/34L is not available north of TWY F intersection.

RWY	TORA	TODA	ASDA	LDA
16R	3426	3516(2.37)	3456	-
34L	3000	3549(1.96)	3000	3489

SUPPLEMENTARY TKOF DISTANCES

RWY 16R 3419 (1.6) 3464(1.9) 3498(2.2)

RWY 34L 3455 (1.6) 3537(1.9)

RWY 34L INTERSECTION DEPARTURES

TKOF from TWY A5; RWY remaining 2390

TKOF from TWY B10; RWY remaining 1584

TKOF from TWY B8; RWY remaining 880

TKOF from TWY L; RWY remaining 1664

TKOF from TWY G; INT DEP NOT AVBL

TKOF from TWY K; INT DEP NOT AVBL

TKOF from TWY B6; INT DEP NOT AVBL

- 4.11 RWY 16L will be available for B777-3/B747/A350-10/MD11/A340-600 aircraft subject to any TWY route restrictions as published in *ERSA*: <https://www.airservicesaustralia.com/aip/aip.asp> and *Sydney Airport Aerodrome Operations Manual Part 2 Section 16 Aircraft Operating Restrictions*. Requires registration which is available from the link: <https://www.sydneyairport.com.au/infosyd/auth/login>

4.12 Low Visibility Operations

- The RWY 34L RVR end visibility will be measured abeam the relocated RWY 34L end.
- The RWY 34L ILS will be turned on during low visibility operations to facilitate Category II approaches.
- Where a low visibility event with a 30% or greater probability is forecast to occur, the RWY 34L ILS will be reactivated three hours prior to this forecast event.

- 4.13 The following TWY will not be available for the duration of the works:
- TWY A1.
 - TWY B1 and B2 between RWY 16R /34L and TWY B.
 - TWY B5.
- 4.14 The following RWY markings changes will be in place for the duration of the works:
- The RWY 16R pre-THR marking, designation marking, THR markings, aiming point markings and touchdown zone markings will be removed.
 - The RWY 16R centreline and side stripe markings will be adjusted to reflect the reduced RWY length.
- 4.15 RWY section and TWY section closures will be indicated by unserviceability markings, markers and red unserviceability lighting.

5. CANCELLATION

- 5.1 This AIP SUP will remain current until 30 November 2021.

6. DISTRIBUTION

- 6.1 Airservices Australia website only.

Appendix

1. RWY 16R THR works plan

1. RWY 16R THR works plan

