

OAN 78/2018 MAN-TP PP16 HV PIT & DUCT INSTALLATION

OAN REF:-	78/2018	DATE OF ISSUE:-	30/07/2018	EFFECTIVE DATE:-	15/08/2018
MANUAL REFERENCE(S):-	N/A			EXPIRY DATE:-	01/02/2019

PLEASE ENSURE THIS INFORMATION IS PROMULGATED TO ALL STAFF

1.0 SUMMARY

- 1.1 As part of the MAN-TP transformation, a twenty-three-week programme of works to install eight new pits and 12 ducts for High Voltage (HV) and Aeronautical Ground Light (AGL) cables from the existing B1D at Stand 101 to the new Sub Station A1 under construction at the head of Stand 61.

2.0 PROGRAMME

- 2.1 The overall programme of work will be from Monday 20th August until Friday 25th January 2019 working 7 days per week. *Site set up will be carried out the week before the works commence.*

2.1.1

Date	Task	Duration	Working Times
15/08/18	Set up compound Stand 101	1	ASCO oversight
20/08/18	Excavate launch (1) & receive (2) pits	1	No operational impact
22/08/18	Directional drilling and duct installations	36	No operational impact
12/10/18	Backfill launch (1) & receive (2) pits	1	No operational impact
17/10/18	Excavate & install AGL pit (3)	8	TWY D Closed 22:00-05:00
17/10/18	Excavate & install HV pit (4)	5	08:00-18:00
24/10/18	Excavate & install HV pit (5)	5	08:00-18:00
29/10/18	Excavate & install AGL pit (2)	6	No operational impact
31/10/18	Excavate & install HV cable ducts	10	08:00-18:00 WMA entrance
06/11/18	Excavate & install AGL pit welfare laydown (7)	8	No operational impact
07/11/18	Excavate, install & backfill HV cable ducts at WMA	3	24hr Operation
16/11/18	Excavate & install AGL pit welfare laydown (8)	6	No operational impact
26/11/18	Excavate & install AGL pit (6)	6	No operational impact
04/12/18	Excavate & install AGL cable ducts	15	TWY D Closed 22:00-05:00
03/01/19	Pull AGL cabling	25	TWY D Closed 22:00-05:00
03/01/19	Pull HV cabling	15	08:00-18:00 WMA entrance

- 2.1.2 Pit and trench locations shown on attached drawing.

3.0 LOCATION & SCOPE OF WORKS

3.1 All work will be located on Stand 101 and its surrounding grass areas, in the UKPNS compound next to Stand 61, in the grass in front of the ATC tower and either side of the entrance into the Western Maintenance Area (WMA).

3.2 The overall scope of works will involve the following tasks:

- Site set up Stand 101.
- Excavation of launch and receive pits.
- Excavation and installation of access pits.
- Directional drilling from Stand 101 to Stand 61 compound.
- Excavate, install and backfill HV & AGL cable ducts x12.

4.0 OPERATIONAL IMPLICATIONS

4.1 Stand Closures

4.1.1 Stand 101 will be closed for the duration of the works. Access to the B1d substation will be maintained for engineering staff.

4.2 Taxiway Closures and Restrictions

4.2.1 Taxiway Delta will be closed at times overnight between D4, D5 and A5. Dates and times shown in paragraph 2.1.1.

4.2.2 Taxiway Lima is not available to B777 under own power. B777 aircraft should shut down engines and be towed through Taxiway Lima.

4.3 Western Maintenance Area

4.3.1 Access/egress to/from the WMA will not be available for aircraft from 7th November 2018 for three days whilst the taxiway is excavated to install HV ducts. All affected parties will be notified by the MAN-TP Project Manager.

4.3.2 Aircraft under tow to and from the WMA, whilst the excavation for HV cabling is underway, must advise Airfield Control 20 minutes before the tow takes place to allow them time to request an ASCO to attend the area to move the contractors away.

5.0 LOW VISIBILITY OPERATIONS (LVO)

5.1 Overall, the work has no impact on the airport's ability to operate during periods of low visibility.



6.0 FURTHER INFORMATION

6.1 For further information, please contact the Airfield Duty Manager on +44 161 489 3331

7.0 ADDITIONAL DOCUMENTS







Drawing: Yes

Annexe: Yes

ORIGINATOR:- (PRINT NAME)	Elizabeth Yates	CONFIRMED & APPROVED BY:- (PRINT NAME)	Nick Biggar
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SIGNATURE:-		SIGNATURE:-	



s Cook Airlines

-  Pit location
-  Site boundary
-  AGL ducting route – directional drilling
-  AGL ducting route – Vacex excavation
-  HV excavation and ducting route
-  HV excavation and ducting route across WMA taxiway