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Dublin Airport (EIDW) South Apron Widening (SATW) Works - Phase 1 & 2 and Introduction of New Taxiway Tango (T)

Commencing in November 2022 work will be in progress on the construction of the South Apron Taxiway Widening Project which includes works within Link 1, taxiway Z, taxiway B1, South Apron, and the adjacent verge areas. The overall project will continue for approximately 18 Months and will be divided in a number of phases.

This supplement concerns Phases 1 & 2 of the works. The works described in this supplement form part of a more extensive overall project. Further supplements will be issued in due course, with details of the implementation of the subsequent project phases.

General

- If Low Visibility Conditions occur or are forecast to occur during planned working hours, work will not be carried out.
- The taxi and towing routes to and from the South Apron (including Pier 4 South stands) will be restricted during working hours depending on the location of the particular works. Where practicable, the works will be coordinated to provide access before commencement / after completion or on a pull-back basis.

The exact operational restrictions will be promulgated by NOTAM with reference to this Supplement.

- Existing taxiway Z will be permanently withdrawn from service.
- When Phase 1 works are ongoing in the Link 1 area, taxiways E1, B2, and F1 will be withdrawn from service during construction working hours. During this time access to RWY 28L will be via RWY 16.

If wind conditions occur or are forecasted to dictate the use of RWY 16/34 landings and take-off, work in the Link 1 area will not be carried out.

- During Phase 2 the access and egress to and from the South Apron (including Pier 4 South stands) will be via the new taxiway T, provided as part of Phase 1.
- The work will be coordinated with other projects taking place on the aerodrome in order to minimise the impact on operations.
- Working Areas will be marked and lighted as necessary.
- The times and durations of work described in this supplement are indicative only. Exact dates and times of work will be promulgated by NOTAM with reference to this supplement, and times and durations may vary over the course of the project and within work areas.

Phase 1 – Main Works

Phase 1 works will entail the replacement of existing taxiways B1 and taxiway Z with a single taxiway (to be designated as Taxiway (T)) providing access and egress to and from the South Apron area (including Pier 4 South stands).

The works will be divided into work areas 1A, 1B, 1C, 1D and 1F. The indicative layout of these areas is shown in Appendix 1 to this supplement.

These works will be sequenced in the following stages:

Phase 1: Stage 1

- Existing taxiway Z will be withdrawn from service and decommissioned.
- The works will be located in areas 1A, 1B and 1C. The indicative layout of these areas is shown in Appendix 1 to this supplement. These areas may be further subdivided in smaller working areas to minimize operational impact.

The exact operational restrictions will be promulgated by NOTAM with reference to this Supplement.

- It is intended that these works will be undertaken over the course of 5 nights in early November 2022.
- Working hours will be 23:00 – 04:00 hrs. (local time)
- Outside working hours, all the taxiways, except taxiway Z, will be available as normal.
- The indicative layout of the taxiway facilities post-completion of Phase 1-Stage 1 works (i.e. decommission of taxiway Z) is shown in Appendix 2 to this supplement.

Phase 1: Stage 2

- Essential lighting, signage, and minor civil works associated with the new taxiway Tango (T) will be undertaken.
- The works will be located in areas 1A, 1B, 1C and 1D. The indicative layout of these areas is shown in Appendix 1 to this supplement. These areas may be further subdivided in smaller working areas to minimize operational impact.

The exact operational restrictions will be promulgated by NOTAM with reference to this Supplement.

- It is intended that these works will commence on 17th November and is expected to last for approximately 9 weeks.
- Working hours will be 23:00 – 04:15 hrs. (local time)
- Outside working hours, all the taxiways, except taxiway Z, will be available as normal.

Phase 1: Stage 3

- Existing Taxiway B1 will be withdrawn from service and decommissioned, and the new taxiway T will be brought into service
- The works will be located in areas 1A, 1B and 1C. The indicative layout of these areas is shown in Appendix 1 to this supplement. These areas may be further subdivided in smaller working areas to minimize operational impact.

The exact operational restrictions will be promulgated by NOTAM with reference to this Supplement.

- It is intended that these works will be undertaken over the course of 5 nights in mid-December 2022.
- Working hours will be 23:00 – 04:15 hrs. (local time)

- After completion of the works, the access/egress to/from the South Apron (including Pier 4 South stands) will be via the new taxiway T. The new Taxiing Facility will have the following characteristics:

Taxiway Width Surface and Strength	TAXIWAY	WIDTH	SURFACE	STRENGTH
	T	23m	ASPH/CONC	PCN80/R/W/T

- Green Centerline lighting, available in all conditions including Low Visibility Conditions.
- Pavement Markings and Intermediate Holding Positions along the route.
- Code E aircraft taxilane clearances each side of centreline.
- Charts EIDW AD 2.24-1 and EIDW AD 2.24-2 will be updated accordingly.
- The new taxiway T will be located on existing pavement.
- The indicative layout of the new taxiway T post-completion of the works is shown in Appendix 3 to this supplement

Phase 1: Stage 4

- Stands 405T and 406A will be realigned and re-designated as 405 and 406L.
- Stand 406B will be re-designated as 406R
- The works will be located in areas 1F. The indicative layout of these areas is shown in Appendix 1 to this supplement
- Details of the proposed stand amendments are shown in the tables below and in Appendix 3 to this supplement.
- It is intended that work in Area 1F will commence in December and are expected to last for approximately 3 days
- To facilitate the works, the stands will be withdrawn from service for 3 full days in December.

Existing Stands						
Stand	Latitude	Longitude	Max Wingspan	Max Length	Conditions	Comments
405T*	53 25 21.45N	006 14 39.93 W	41.40m	47.40m	TAXI IN, PUSH OUT	
406A*	53 25 21.76 N	006 14 37.23 W	41.40m	47.40m	TAXI IN, PUSH OUT.	STAND 406C VACANT
* DATA WHOSE ACCURACY HAS NOT BEEN QUALITY ASSURED						

Proposed Stands						
Stand	Latitude	Longitude	Max Wingspan	Max Length	Conditions	Comments
405*	53 25 21.63N	006 14 39.76W	41.35m	47.35m	Taxi in, Push Out	
406L*	532521.82N	0061437.01W	41.40m	47.4m	Taxi in Push Out	Stand 406C Vacant
* DATA WHOSE ACCURACY HAS NOT BEEN QUALITY ASSURED						

Phase 1 – New Service Corridor (Works Areas 1D-1 & 1D-2)

SATW Phase 1 includes also the construction of a new duct and pit system that will run south of taxiway B1.

These works will be split into two areas (Area 1D-1 and 1D-2), both of them located under the RWY 28L approach and RWY 10R departure flight paths. These working areas are shown in Appendix 1 to this Supplement

Phase 1: Area 1D-1

- It is intended that work in Area 1D-1 will commence on 4th November and are expected to last for approximately 5 weeks.
- Working hours in Area 1D-1 will generally be 20:00 – 04:00 hrs (local time) daily Monday to Friday.
- The works in Area 1D-1 will be coordinated and carried out simultaneously with the works included in “Area H” of the “*RUNWAY 16/34 LVP TAXIING LIGHTING INSTALLATION WORKS - PHASE 2*”, when runway 10R/28L will be shortened. For further details refer to AIP supplement Nr. 021/22

Phase1: Area 1D-2

- It is intended that work in Area 1D-2 will commence on 7th November and is expected to last for approximately 9 weeks.
- Working hours in Area 1D-2 will generally be 11.30 – 04.00 hrs (local time) daily Monday to Saturday.

Phase 2

The works included in Phase 2 are:

- Construction of the new taxiway B1 pavement associated with the widening together with reconstruction of existing pavement at the margins to facilitate tie in to existing alignment including all necessary AGL and services. No restrictions to aircraft operating on taxiway E1 will result.
- Installation of the AGL infrastructure for the taxiway crossover (Work Area 2 C) in the South Apron
- Pavement repairs and construction of AGL ducting in the area between Area 2D abeam stand 406L.

After completion of the works, the access/egress to/from the South Apron (including Pier 4 South stands) will remain via the new taxiway T, as per Phase 1 above.

The works are separated into areas 2A, 2B, 2C and 2D defined by the constraints associated with each as described below.

The indicative layout of these areas is shown in Appendix 4 to this supplement. The indicative layout post-completion of the works is shown in Appendix 5 to this supplement.

Phase 2 Works Area A

- Construction of new taxiway pavement, tie into existing pavement and associated AGL and services.
- All works within Area 2A will be undertaken protected by a Code E jet blast fence that will be located outside Code E wingtip clearance for taxiway E1, taxiway T and TRP L. There will be no operational impact during these works.
- It is intended that these works will commence January 2023 and is expected to last for approximately 24 weeks.
- Working hours will be unrestricted.

Phase 2 Works Area B

- Construction of tie into existing pavement and associated AGL and services in the area within wingtip clearance of TRP L
- The works will be located in Area 2B. The indicative layout of this area is shown in Appendix 4 to this supplement

The exact operational restrictions will be promulgated by NOTAM with reference to this Supplement.

- It is intended that these works will be undertaken over the course of 6 weeks commencing in January 2023. The work will be undertaken concurrent to Phase 2 Area C
- Working hours will be 23:00 – 04:00 hrs. (local time)
- Outside working hours, all the taxiways, including TWY T, and TRPL will be available as normal.

Phase 2 Works Area C

- Installation of the AGL infrastructure for the taxiway crossover abeam Stands 406 and 407 located in the South Apron.
- The works will be located in Area 2C. The indicative layout of this area is shown in Appendix 4 to this supplement.

The exact operational restrictions will be promulgated by NOTAM with reference to this Supplement.

- It is intended that these works will be undertaken over the course of 5 weeks commencing in February 2023. The work will be undertaken concurrent to Phase 2 Work Area B.
- Working hours will be 23:00 – 04:00 hrs. (local time).
- Outside working hours, all the taxiways, including TWY T, and South Apron will be available as normal.

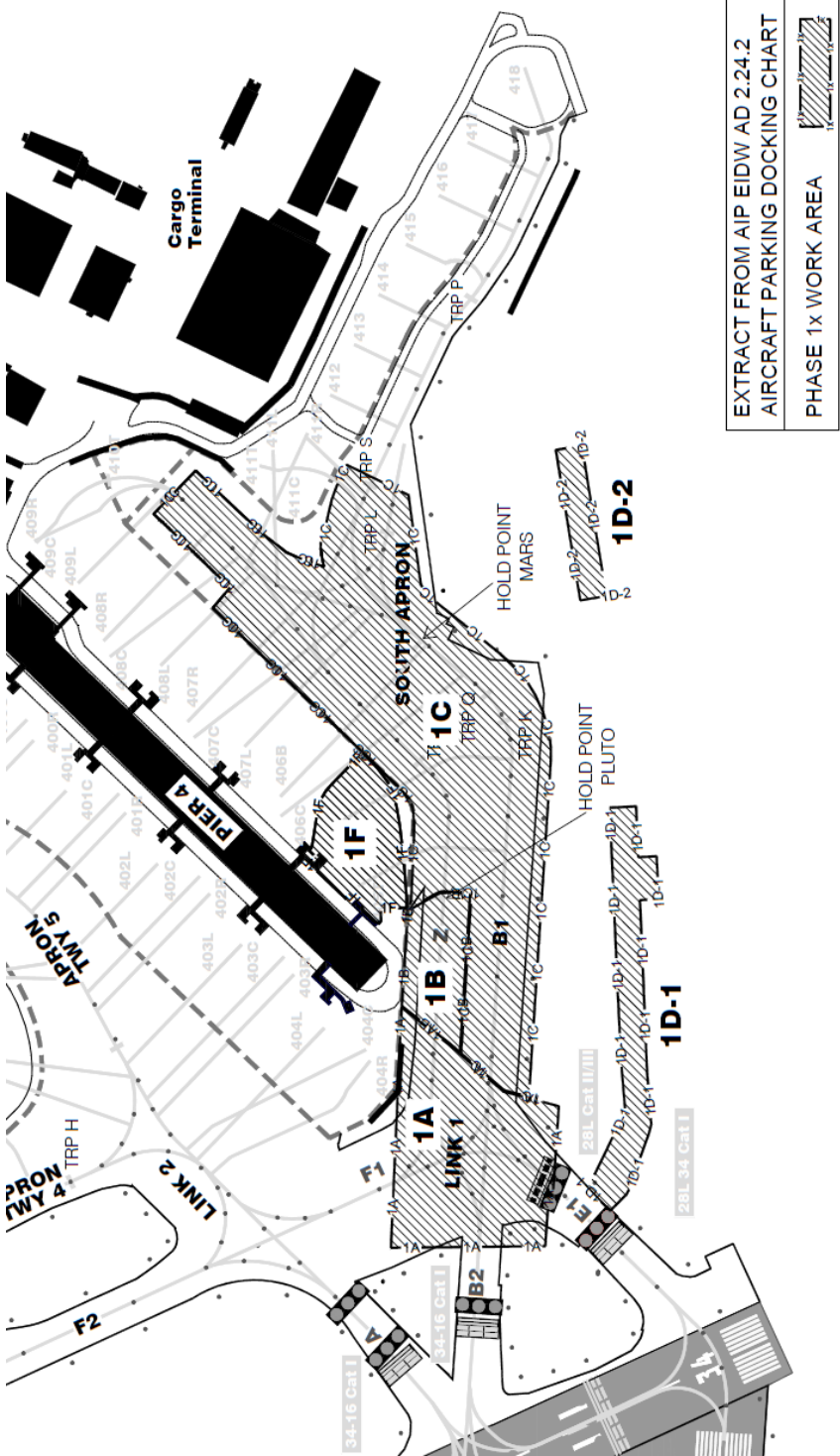
Phase 2 Work Area D

- Repair of existing slot drain and adjacent slabs together with installation of AGL duct banks and chambers and reinstatement of PQC slabs.
- The works will be located in Area 2D. The indicative layout of this area is shown in Appendix 4 to this supplement.

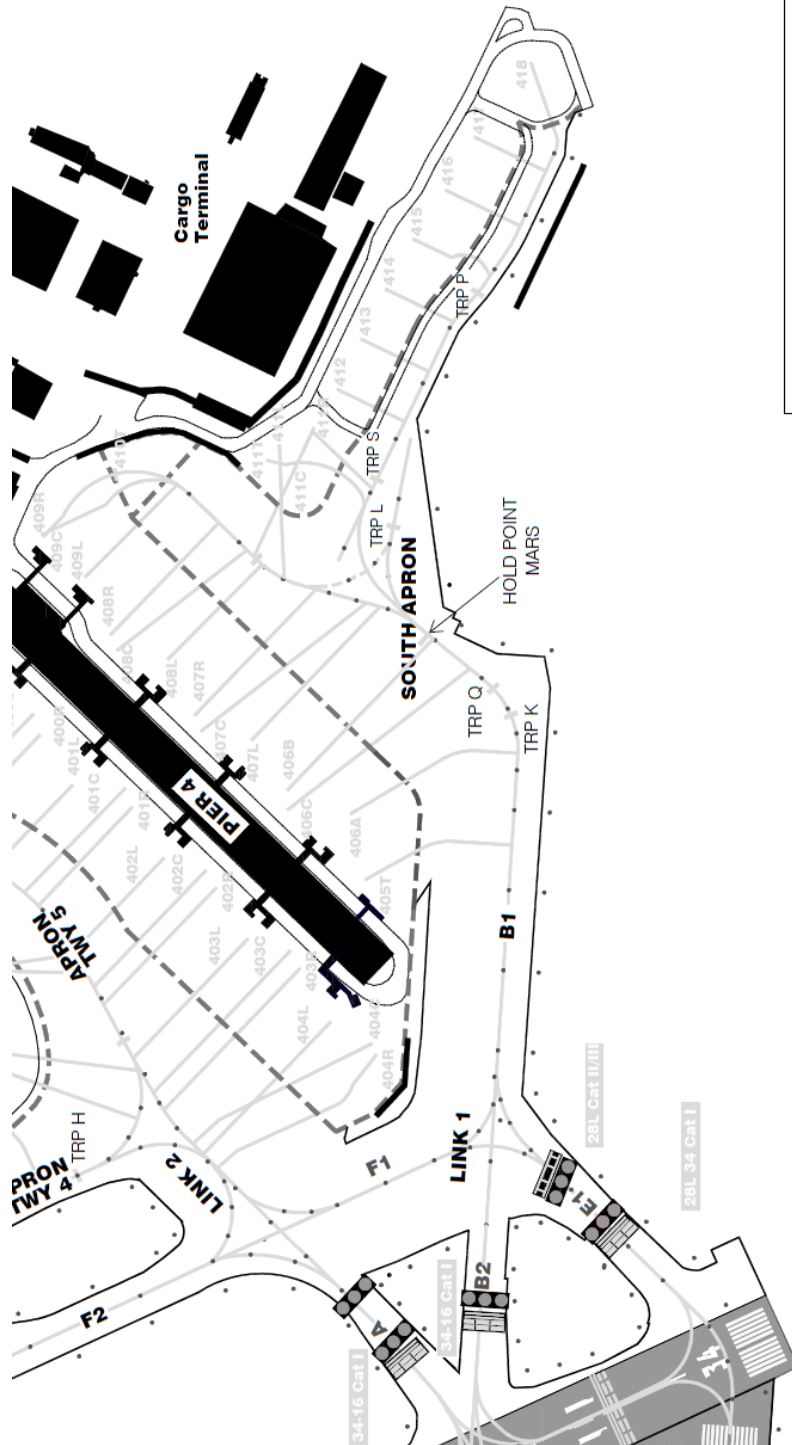
The exact operational restrictions will be promulgated by NOTAM with reference to this Supplement.

- It is intended that these works will be undertaken over the course of 7 weeks commencing in March 2023. The work will be undertaken immediately following works to Phase 2 Area B.
- Working hours will be 23:00 – 04:00 hrs. (local time)
- Outside working hours, taxiway T will be available as normal.

Appendix 1



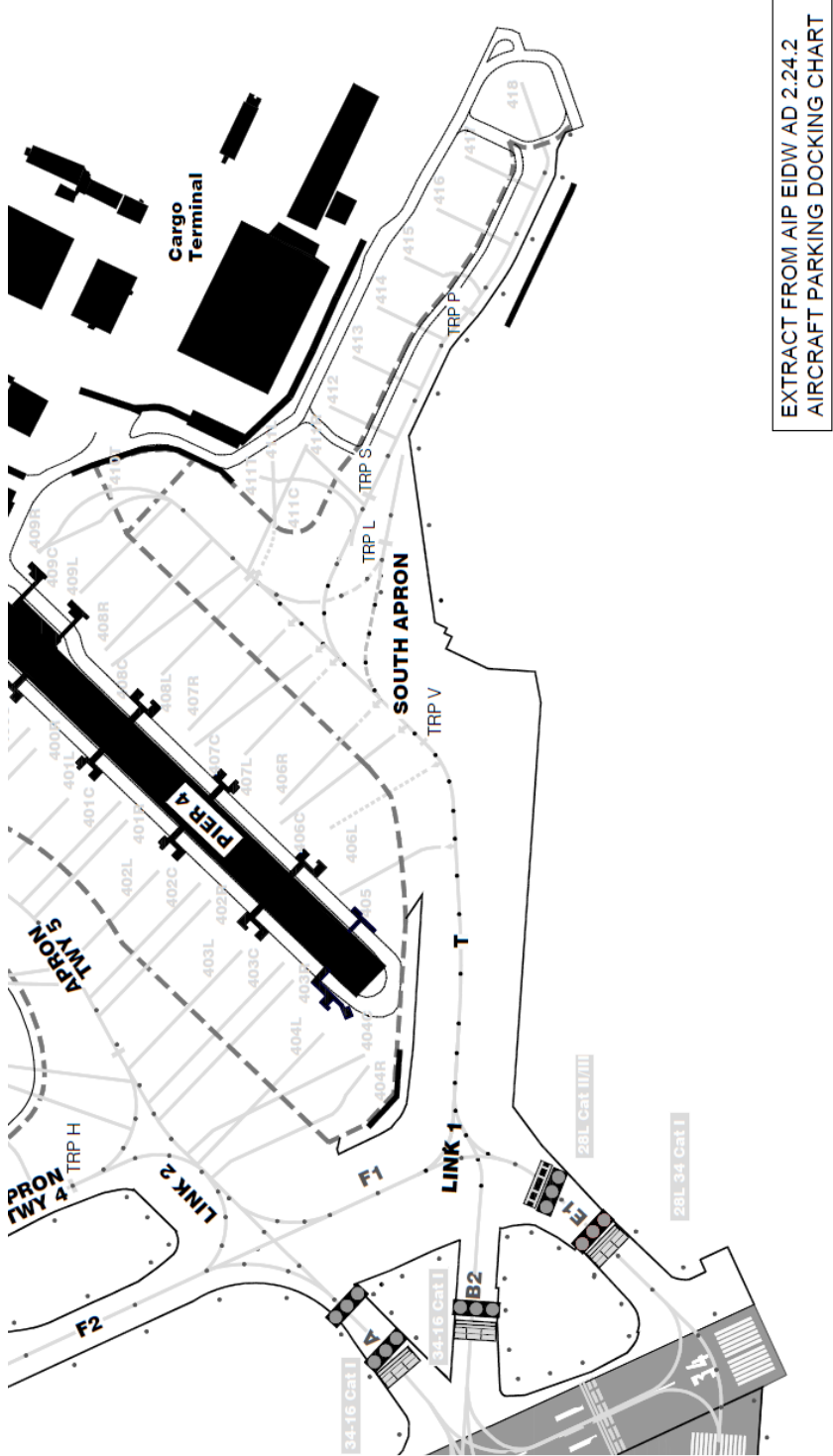
Appendix 2



EXTRACT FROM AIP EIDW AD 2.24.2
AIRCRAFT PARKING DOCKING CHART

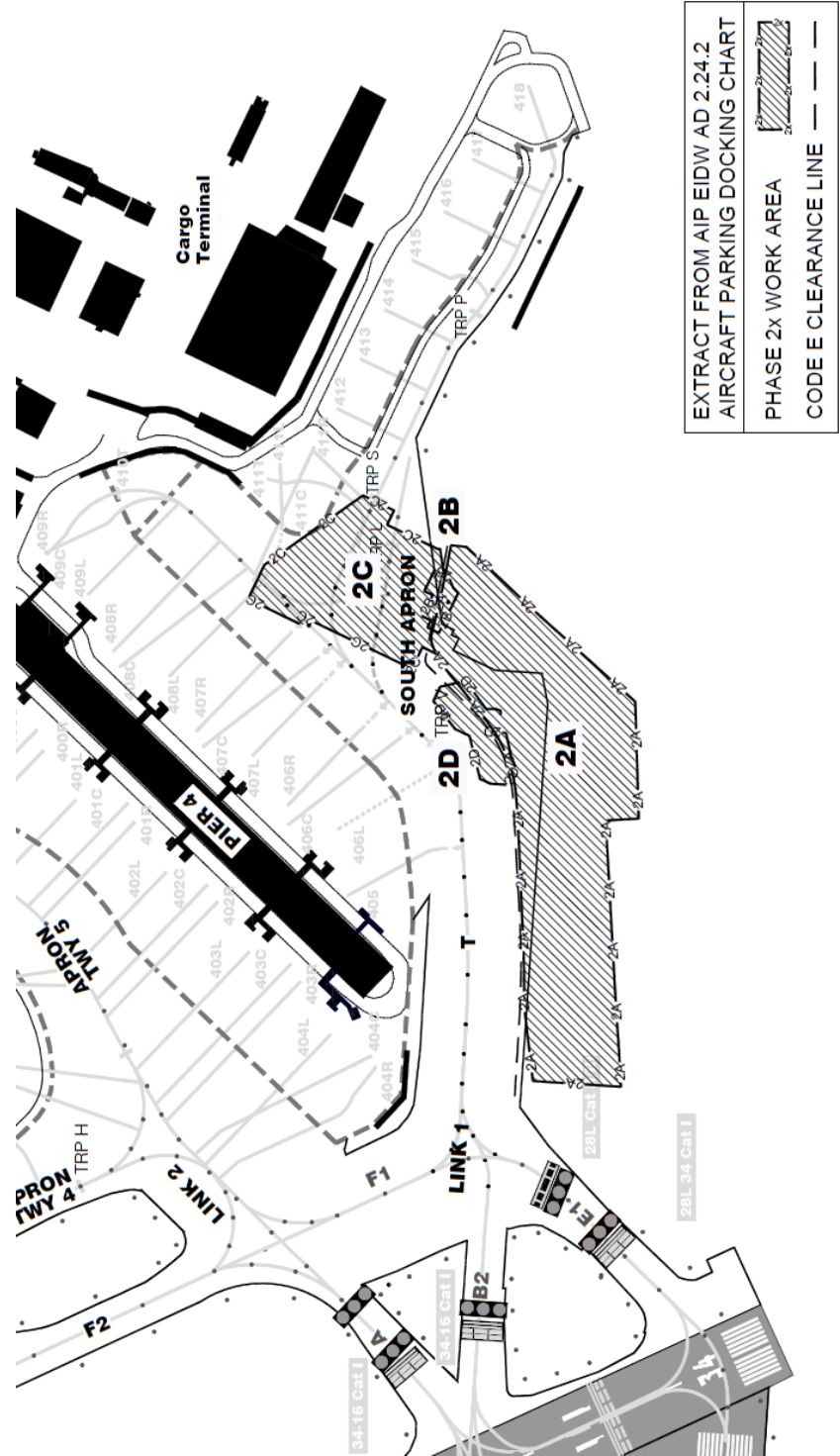
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Appendix 3



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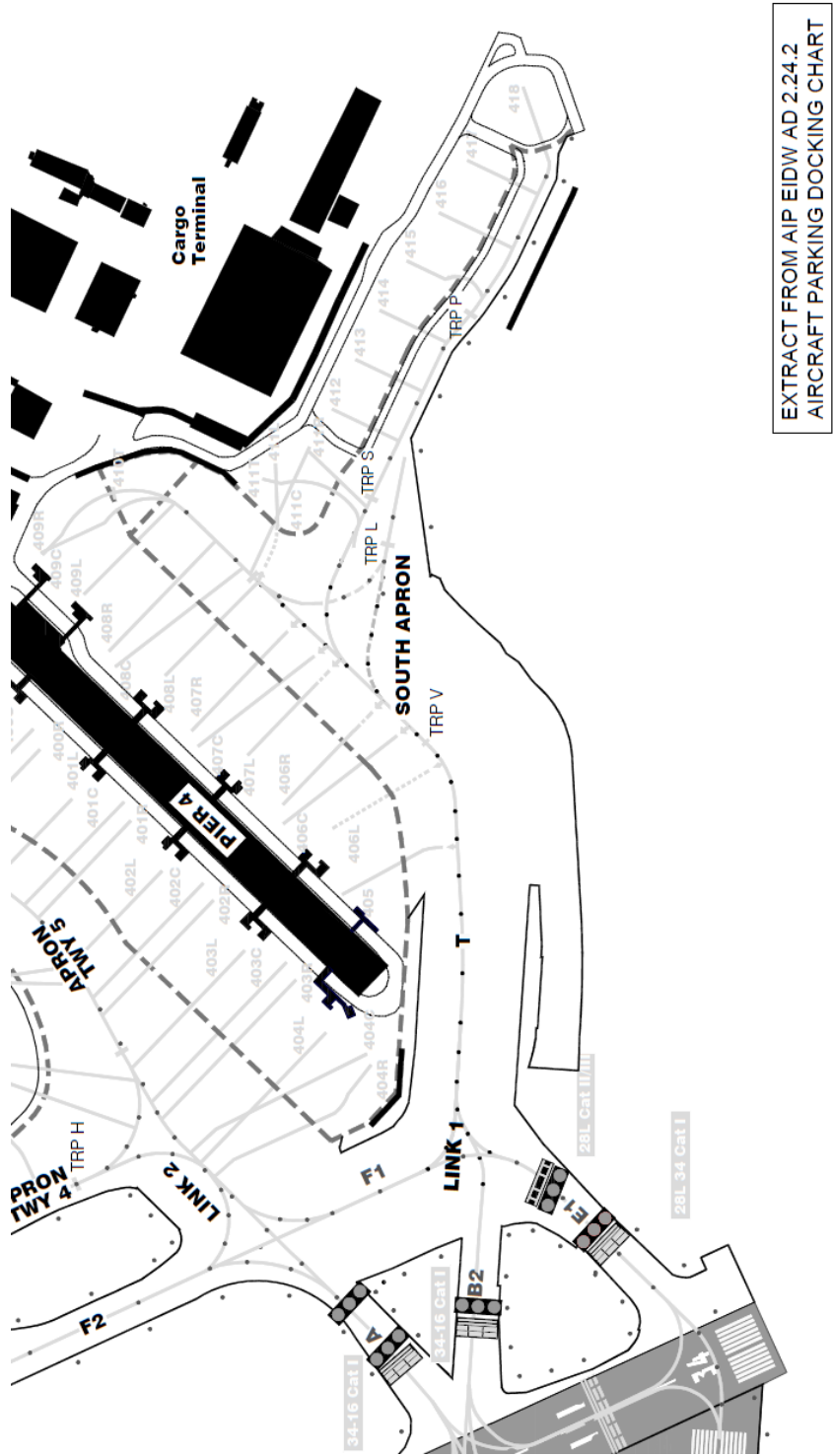
Appendix 4



IRISH AVIATION AUTHORITY

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Appendix 5



IRISH AVIATION AUTHORITY