Apron Management
Airside Operational Instruction 05

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AOI 05 Owner - Airfield Operations
1. AIRCRAFT PUSHBACK PROCEDURES

1.1 a. Central Apron.

- Pushback plans are located at AOI 5 Apron Management, Appendix 1.
- Stand directory is located in Appendix A of this section.
- Stands 20 and 22 are nose in pushback (Restrictions in Capacity Table)
- Stands 21, 23 and 24 are self-manoeuvring (Restrictions in Capacity Table)
- Stand 31 is self-manoeuvring for aircraft up to JS41 dimensions

b. East Apron

- Pushback plans are located at AOI 5 Apron Management, Appendix 2.
- Stand directory is located in Appendix A of this section.
- Before operators are able to pushback code ‘E’ and ‘F’ aircraft from stands 73L and 83W, EMA Airfield Operations are to safeguard the area to the rear of any occupied stands (70R-86).
- Stand 70R is self-manoeuvring.
- Stands 81 to 86 (Restrictions in Capacity Table)

c. West Apron

- Pushback plans are located at AOI 5 Apron Management, Appendix 3.
- Stand directory is located in Appendix A of this section.
- Stands 99 and 100 may push to face east or west on Bravo taxiway or push into Juliet taxi lane to face north.

d. All pushback procedures are assessed against jet blast, all personnel involved with pushback procedures in line with this document should take into consideration jet blast when undertaking this duty, they should also assess the surrounding area as appropriate.

1.2 ATC Procedures

a. All aircraft must have ATC permission before starting any pushback.
   i. Permission can be obtained on frequency 124.005MHz (Tower) or 121.905 MHz (Ground).
   ii. Once the movement has started, all aircraft are under the guidance of ATC and therefore must comply with ATC instructions.
   iii. Speech communication should be maintained between the aircraft flight deck and the pushback crew so that any ATC instruction during pushback can be acted upon promptly.

b. Occasionally the procedures may have to be modified due to work on the aircraft movement area or for operational reasons. Operators should be aware that NOTAM and/or Operational Advice Notice publish such temporary conditions. In order that safe operation may be assured, it is essential that flight and pushback crews are kept briefed on these published procedures. This is the responsibility of the operator.
c. Aircraft may, at the discretion of the ATC Controller be requested to be pushed from stands 09 through 14 onto stands 20 through 24. This procedure will only be undertaken if the controller has visual contact with the north side of the Central Apron and can see that the procedure will not have an adverse effect on aircraft safety nor cause interference with other ramp operations.

d. Aircraft pushing back to face west from stands 9 thru 14 are required to push back and pull forward to prevent jet blast on stand 7.
   i. The main gear of the aircraft is required to be positioned on the stand 11/22 lead-in arrow.
   ii. The tow bar should only be disconnected once in this location (see appendix c).

1.3 Operating Procedure

a. EMA does not seek to influence the detailed technical content of push-back procedures which are the clear responsibility of the airline or operator concerned, however the following general requirements are to be met:

i. Operators or airlines must ensure that they have comprehensive, written procedures for each aircraft type operated, for use by their crews for pushbacks.

ii. Operators must ensure that they have carried out a suitable and sufficient risk assessment of their pushback operation, and to ensure that all measures have been taken to control any potential risks.

iii. All ground crew must be trained in the use of the procedures and be certified as competent by a suitably qualified instructor.

iv. Operators should nominate a person in charge of the pushback operation.

1.4 Safety Procedures

a. Aircraft must only pushback as directed by ATC and as illustrated in the pushback plans in Appendix 1, 2 and 3. Crews must not push aircraft into any area that is not the designated pushback area for that stand without prior permission of, and consultation with, EMA Airfield Operations. When any change or deviation from the standard procedure takes place, ATC and push-back crew are all to be thoroughly briefed by Airfield Operations of the agreed alternative procedure and details logged within the EMA Airfield Operations deviations database.

b. Anti-collision and navigational lights must be switched on before aircraft movement

c. Permission to start jet engine aircraft on stands 4-7 (East side), 8-17 (Front) and 21, 23 and 24 (North Edge) will only be given if it can be assured that all precautions have been taken to ensure traffic safety on the apron roadway system.

d. There are no parking restrictions on aircraft requiring an ‘air start’, however ‘cross-bleeds’ will not be allowed until the aircraft is on the taxiway.

e. In order to ensure that no ground handling personnel, employed as part of a push back crew are exposed to unsafe levels of jet blast on the central west apron, ATC will only issue simultaneous push/start clearances from stands 40 and, either 44 or 45. During
simultaneous pushback’s, aircraft from stands 44 or 45 are to face north. Aircraft pushed from stand 40 are to push back onto the taxi lane facing north abeam stand 41 and then be pulled forward to abeam stand 40. If no simultaneous push/start clearance is given for an aircraft from stand 44 or 45 then the push back / pull forward from stand 40 will be issued as push back (no pull forward required).

f. If a change to pushback procedure occurs as a result of work in progress or other requirement, temporary instructions will be promulgated in an Ops Advice Notice.

g. While the pilot is ultimately responsible for the safety of their aircraft, they cannot realistically satisfy himself that the area into which they are being pushed is safe without outside assistance, nor necessarily be aware of all the hazards their jetblast/propwash etc. may create. ATC will be aware of which stands are vacant of aircraft and where work is in progress and will ensure that conflicts do not occur between moving aircraft. They do not however have sufficient view of the apron to ensure that individual equipment, vehicles or personnel are clear of the stands especially at night or in poor visibility. It is therefore the responsibility of the pushback crew to ensure that the area immediately behind the aircraft is clear and that there is no risk of collision or potential jetblast/propwash problems. The pushback crew must ensure that the pilot is informed of any potential hazard to or from the aircraft and advise them to use minimum breakaway thrust where they can see that a blast hazard may exist.

h. The stands at EMA are multi-use configuration therefore extra care must be used when pushback takes place.

i. When pushback is complete, the tug and crew must return to the apron roadway via the shortest possible route. Reversing is to be kept to an absolute minimum.

J. Crews pushing back from stands 4-5 (East side), 8-17 (Front) and 20 & 22 (North edge).

K. The “Tail/Wing man” should be in a position to direct traffic on the apron roadway system as soon as the push back tug is attached to the aircraft and the aircraft doors are closed. The “Tail/Wing man” should allow traffic to continue to use the apron roadway system until the aircraft is ready to start its engines or to push back.

l. Stands 21, 23 and 24 are taxi-in, taxi-out, restrictions apply see stand directory in appendix A. Where any doubt exists as to the appropriate clearance, an assessment should be made by Airfield Ops to ascertain wingtip clearance prior to departure.

m. Aircraft on stand 45 should push back to the bespoke area delineated by inverted T marking. Aircraft to then taxi forward onto the November taxiway centreline from this point. Pushback plan for stand 45 is included within the Central & Central West Aprons pushback plans (Appendix 1).

n. When parking on Stands 8 to 17 aircraft are NOT to proceed onto stand across the rear of the stand road without the attendance of a marshaller.

o. Code E Aircraft may only push back to face West from stand 73L and can only leave the Apron via Uniform. To facilitate the pushback and to mitigate against any jet-blast, it will be necessary to keep stands 70L-76R vacant during the Code E pushback / taxi-away manoeuvre. Vehicles and staff on foot must not enter these stands when the B777-200F is departing the apron under its
own power. Once the aircraft is established on the Alpha taxiway normal operations may resume on stands 70L-76R.

p. Stands 70L, 75R, 75 and 76R may be used if a B777 is parked on stand 73L, but must be vacant for pushback.

q. If an aircraft is pushing back from Stand 83Wide, the AOS will advise all staff working on stands 78 thru 86 (see below image) to temporarily cease operations, lower any elevated equipment, and move themselves to the head-of-stand area. When all stands are clear of personnel the AOS will relay this to the pushback team who can advise the aircraft cockpit crew accordingly. The aircraft cockpit crew can then ask ATC for permission to taxi. Personnel can only recommence unloading / loading operations on stands 78-86 when the aircraft departing stand 83Wide has exited the apron and is fully established facing east or west on the Alpha taxiway. This procedure does not apply to aircraft pushing back from Stand 83.

2. AIRCRAFT PARKING AND SAFETY PRACTICES

2.1 General

a. It is a requirement at EMA that all aircraft/helicopters wishing to park on the aprons are marshalled onto stand.

b. Marshalling of aircraft is to be carried out by the handling agent of the aircraft wishing to use the apron, or by EMA Airfield Operations personnel.
c. Standard aircraft marshalling signals, as laid down in CAP393 Section 2 ‘Rules of the Air Regulations 2015 are to be used in all instances. By day any such signals shall be given by circular bats and at night by illuminated wands with a minimum luminosity of 30 candela.

d. Only staff holding current EMA marshalling licence are allowed to carry out this function (personnel undergoing training are exempt providing they are accompanied by a qualified EMA marshalling licence holder).

e. All stands are designed such that the marshaller should park the aircraft with the nose level with the taxi line ‘T’ bar. On certain stands, dedicated nose-wheel markings are available; these should only be used for the appropriate aircraft type.

f. In normal situations, marshallers must aim to ensure that they indicate to the aircraft to follow the markings painted on the apron so as to ensure that they maintain adequate safety clearances from fixed obstacles. This is a minimum 20% of aircraft wingspan.

g. Before marshalling aircraft onto stands, marshallers must ensure that the parking area is free from Foreign Object Debris (FOD) and any obstructions such as pre-staged equipment. All service equipment should be a minimum of 4.5m from the ‘T’ and must not encroach into the stand area.

h. Aircraft arriving on stand may require the marshaller to stand in or near to an apron road. To protect the marshal and also to ensure there is no distraction to the flight crew, vehicles are not permitted to drive behind the marshal unless given permission by the marshal or in emergency situations.

i. In the case of simultaneous arrivals onto 2 adjacent stands, disembarking passengers from the first arriving aircraft must be held until the second arriving aircraft is stationary on its allocated stand.

j. For simultaneous arrival and departure from 2 adjacent stands, the departing aircraft is to be held until the arriving aircraft is stationary on stand.

k. In exceptional circumstances or for the maintenance of competency EMA reserves the right to marshal any aircraft onto stand. If this is the case the Operations Control Room will notify the handling agent or airline of this before arrival.

2.2 Maintenance Area Operations

a. Aircraft parking in the maintenance area shall be marshalled into position by a qualified marshaller holding a valid EMA Marshalling Licence. Wingtip obstacle clearance marshallers may be required to ensure clearances are maintained from other aircraft, buildings or temporary obstacles. Operators may apply for an exemption against this requirement, this is to be requested in writing to Airfield operations Manager. The request is to be supported by a risk assessment, showing equivalent levels of safety and appropriate mitigations for exemption approval.

b. Intermediate Taxi Holding Position’s, located on the Mike taxiway at the intersection with Maintenance Area North and Maintenance Area South, are defined as Mike 4 and Mike 5 (see appendix B). Aircraft holding at either holding position should call EMA ATC for onward taxi clearance. Taxiway Mike south of Holding Point M3 is certified as Code C for public transport operations to abeam the turn into hangar 29. Surface markings, identified by Intermediate Taxi Holding Points, nominated as M4 and M5 are provided at
this point to delineate the boundary between the ‘Mike’ taxiway and the Third Party Managed Area within the Maintenance Area.

c. Aircraft up to and including code C can taxi into the Maintenance Area North, via holding point M4. As per 2.2a all aircraft must be under positive marshal control and obstacle marshal/wing-walker(s) should be used as required.

d. Code C aircraft departing from Maintenance Area North, should in all instances be towed up onto the Mike Taxiway, via holding point M4, subject to clearance from ATC. Engines can be started only when the aircraft is on the Mike taxiway facing north. Code B or below can self-manoeuvre up to holding point M4 with onward clearance from ATC.

e. Code C aircraft can taxi to and from Maintenance Area South via holding point M5, (ATC onward clearance required from M5 for departing aircraft).

f. Code D aircraft must be towed into the Maintenance Area from an apron stand, departing Code D aircraft should likewise, be towed to a nominated apron parking stand.

g. Aircraft pushed and parked on the maintenance area fingers should in all instances be towed on to the Mike taxiway to face north, before engine start/departure. Aircraft parking on the fingers without a tow bar and capable of turning to park (limited to light GA) are permitted to self-manoeuvre off.

h. Aircraft parking on the washday permitted to self-manoeuvre off (twin engine only, up to Gulfstream 5) should in the first instance be marshalled on (facing east), turned south, and then turned to park facing west. This manoeuvre removes potential jet blast issues from the maintenance area gate.

i. Aircraft parking at the south end of hangar 35 should, in the first instance be marshalled to the most southerly end of the Mike taxiway, turned to face west then turned north and east through 180⁰ and park facing east. This manoeuvre removes potential jet blast issues from hangar 35.

j. Maintenance area parking arrangements are detailed in Appendix B.

K. The largest aircraft that can self-manoeuvre on taxiway MA is a King Air 350 (w/s 17.65m). Aircraft up to a maximum wingspan of 21.45m / length 19.73m (Saab 340B) can be towed along the MA taxiway to from Hangar 21.

2.3 West apron remote aircraft parking stands

a. Four aircraft parking areas, capable of accommodating aircraft up to AN-124 dimensions are situated on the eastern side of taxiplane Juliet on the west apron. They are designated as Stands 200 to 203 (from north to south) and are non-operational stands to be used for parking purposes only.

b. As per standard practice, the Operations Control Room will allocate each stand on a request / as required basis.
c. The following operational requirements should be adhered to when using stands 200 to 203. All aircraft must have ATC permission before starting any movement on or off these stands.
   • All aircraft must be towed-on and towed-off these stands.
   • An engine shutdown and start up should only take place on taxipline Juliet for aircraft up to and including code D). Any above code D aircraft, utilising either stand 200 or 201 should start or shutdown engines with the aircraft positioned on taxiway Bravo (as detailed in AOI 05 Appendix C ‘West Apron Pushback Plans’, annex W or X).
   • No engine runs or engine start/shutdowns should take place whilst the aircraft is on stands 200-203 as this may result in blast damage to cars parked in Long Stay 4 car park and issues for any vehicles using the central/west apron link road.
   • No refuelling to take place on stands 200-203.
   • No cargo unloading/loading to take place on stands 200-203.
   • Minor aircraft line maintenance can be performed on stands 200-203.
   • If stand 200 is to be used for an AN124, B747-8F or A380, the Airfield Operations Supervisor (AOS) should be contacted and requested to attend. The AOS should provide confirmation (or otherwise) to ATC that stands 98, 120 and 121 are clear before the aircraft is either towed on or off stand 200.

d. Taxipline Juliet is code D; any aircraft with a wingspan greater than 52m being towed along this taxilane must have wingmen on each wingtip.

e. Aircraft accessing stands 125L&R on the west apron taxi in along the uncontrolled crossing, during these manoeuvres any vehicles using the crossing should remain behind the painted STOP sign (south of the Head of Stand equipment park). On departure, the crossing should be manned at the STOP mark to prevent vehicles trying to cross and also to eliminate any blast issues.

2.4 Isolated Aircraft Parking Position

Regulation defines the isolated parking position as an area suitable for the parking of an aircraft which is known or suspected to be the subject of unlawful interference, or for other reasons needs isolation from normal aerodrome activities.

“A designated parking area has been identified in the event of unlawful interference with aircraft (for example aircraft hijack). Details of this area are contained in the Aerodrome Emergency Plan”.

2.5 Follow Me Vehicles

• When Low Visibility operations/procedures are in force (LVP 3 conditions), a “follow me” vehicle will be available on request for all aircraft entering the central, central-west or east apron. EMA will provide this service. The marshaller will take responsibility for the final positioning of the aircraft once it enters the stand area.

2.6 Special precautions for stands accessed/egressed through the rear of stand road

a. When aircraft are parked onto stands 8–17, the marshaller will ensure that all vehicles are sufficiently clear for the aircraft to proceed onto stand.
b. A minimum 7.5m wingtip to obstacle clearance must be maintained between the manoeuvring aircraft and stationary vehicles on the rear of stand road.

2.7 Approaching a Parked Aircraft

Marshallers are to ensure that no personnel or vehicles approach an aircraft which has just arrived onto stand until the anti-collision lights have gone out, it has been chocked and the engines have run down.

Note: It is possible that until suitable passenger steps have been located on the aircraft, the aircraft emergency escape slides may still be activated.

2.8 Equipment Parking

Dedicated on stand equipment parking is provided on each of the aprons at EMA.

Specific arrangements apply to the parking of equipment on the east apron at stand numbers 75, 76, 77 and 78. Additional equipment parking, within areas denoted by dashed white lines on these stands is available. These areas should only be used when there are no aircraft present and should be cleared prior to the arrival of an aircraft. No pre-staging of equipment in these areas is permissible.

Equipment should not be parked within any cross hatched area.
### Central & Central West Aprons

#### Stand Directory

<table>
<thead>
<tr>
<th>Stand No.</th>
<th>Width (m)</th>
<th>Length (m)</th>
<th>Largest Types</th>
<th>Comments / Remarks</th>
</tr>
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<tbody>
<tr>
<td>4</td>
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<td>B737-800SW; B737-MAX8</td>
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**Stand 30 Notes**
- Length: 97.5m (to 59.9m)
- A320; B717-200; B727-100/200; B727-800; MD-80/90/3D/83; MD-87 - pull front of nose to "T"
- A321 - pull front of nose to "T"

**Stand 30 A320/300**
- Length: 33.5m (to 37.5m)
- A320; B717-300; B737-400; B737-700W; CRJ-600; CRJ-700, 800; CRJ-1000; YAK-42 - use nosewheel mark for nosewheel

**Stand 30 A320/300**
- Length: 33.5m (to 37.5m)
- A319; AT-2772; B146-300; B737-300/500/600; HST74; CRJ-700; CRJ-70; EMC-135/145 - use nosewheel "T" for nosewheel

<table>
<thead>
<tr>
<th>Stand No.</th>
<th>Width (m)</th>
<th>Length (m)</th>
<th>Largest Types</th>
<th>Comments / Remarks</th>
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<td>23.80</td>
<td>32.50</td>
<td>CRJ700; EMB-145; JS41</td>
<td>Nose-In / Push-Back; Up to JS41 can self-maneuver if held back on JS41N/W &quot;T&quot; and minimal breakaway power used</td>
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### EAST APRON

**Stand Usage Combinations:**

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<th>MAX. LENGTH (m)</th>
<th>LARGEST TYPES</th>
<th>COMMENTS / REMARKS</th>
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<tr>
<td>73L Wide</td>
<td>64.80</td>
<td>63.73</td>
<td>B777-200F</td>
<td>Not to be used if Stands 70L-76R in use (pushback restriction)</td>
</tr>
<tr>
<td>74 @</td>
<td>47.57</td>
<td>54.94</td>
<td>B767-300</td>
<td>Not to be used if Stands 73LW, 73L or 74L in use</td>
</tr>
<tr>
<td>74L</td>
<td>38.06</td>
<td>47.32</td>
<td>B757-200; B737-800V; A321</td>
<td>Not to be used if Stand 73LW, 74 in use</td>
</tr>
<tr>
<td>75R</td>
<td>29.20</td>
<td>36.40</td>
<td>B737-400; AN-26; Fk50; F27</td>
<td>Not to be used if Stand 73LW, 75 in use; B737-400 nosewheel on 'T'</td>
</tr>
<tr>
<td>75</td>
<td>51.00</td>
<td>54.94</td>
<td>B767-300</td>
<td>Not to be used if Stands 73LW, 75L or 76R in use</td>
</tr>
<tr>
<td>76R</td>
<td>29.20</td>
<td>36.40</td>
<td>B737-400; AN-26; Fk50; F27</td>
<td>Not to be used if Stand 76 in use; B737-400 nosewheel on 'T'</td>
</tr>
<tr>
<td>76</td>
<td>47.57</td>
<td>54.94</td>
<td>B767-300</td>
<td>Not to be used if Stand 78R or 78L in use</td>
</tr>
<tr>
<td>76L</td>
<td>29.20</td>
<td>36.40</td>
<td>B737-400; AN-26; Fk50; F27</td>
<td>Not to be used if Stand 76 in use; B737-400 nosewheel on 'T'</td>
</tr>
<tr>
<td>77R</td>
<td>29.20</td>
<td>36.40</td>
<td>B737-400; AN-26; Fk50; F27</td>
<td>Not to be used if Stand 77 in use; B737-400 nosewheel on 'T'</td>
</tr>
<tr>
<td>77</td>
<td>51.00</td>
<td>54.94</td>
<td>B767-300</td>
<td>Not to be used if Stand 77R or 78R in use</td>
</tr>
<tr>
<td>78R</td>
<td>29.20</td>
<td>36.40</td>
<td>B737-400; AN-26; Fk50; F27</td>
<td>Not to be used if Stand 77, 78 in use; B737-400 nosewheel on 'T'</td>
</tr>
<tr>
<td>78</td>
<td>47.57</td>
<td>48.51</td>
<td>B767-200</td>
<td>Not to be used if Stand 78R or 78L in use</td>
</tr>
<tr>
<td>78L</td>
<td>29.20</td>
<td>36.40</td>
<td>B737-400; AN-26; Fk50; F27</td>
<td>Not to be used if Stand 78 in use; B737-400 nosewheel on 'T'</td>
</tr>
<tr>
<td>79</td>
<td>30.63</td>
<td>36.50</td>
<td>BAe ATP; B737-400</td>
<td>Not to be used if Stand 81 in use</td>
</tr>
<tr>
<td>80</td>
<td>30.63</td>
<td>36.50</td>
<td>BAe ATP; B737-400</td>
<td>Not to be used if Stand 81 in use</td>
</tr>
<tr>
<td>81</td>
<td>50.90</td>
<td>49.82</td>
<td>B767-200V; A310; B757-200V</td>
<td>Not to be used if Stands 80, 82 or 83L in use</td>
</tr>
<tr>
<td>82</td>
<td>30.63</td>
<td>36.50</td>
<td>BAe ATP; B737-400</td>
<td>Not to be used if Stands 81, 83 in use</td>
</tr>
<tr>
<td>83</td>
<td>30.63</td>
<td>36.50</td>
<td>BAe ATP; B737-400</td>
<td>Not to be used if Stand 83 in use</td>
</tr>
<tr>
<td>83 Wide **</td>
<td>68.40</td>
<td>76.30</td>
<td>B747-8P; B747-400; B777-200</td>
<td>Not to be used if Stands 83, 84 or 85 in use</td>
</tr>
<tr>
<td>84</td>
<td>30.63</td>
<td>36.50</td>
<td>BAe ATP; B737-400</td>
<td>Not to be used if Stands 83, 84 or 85 in use</td>
</tr>
<tr>
<td>85</td>
<td>50.90</td>
<td>54.94</td>
<td>B767-300V</td>
<td>Not to be used if Stand 85 in use</td>
</tr>
<tr>
<td>86</td>
<td>30.63</td>
<td>36.50</td>
<td>BAe ATP; B737-400</td>
<td>Not to be used if Stand 85 in use</td>
</tr>
</tbody>
</table>

**Notes:**

- Stand 73-74 combos - 73L-73-300 then 74+ 787-200/300 [not L] but if 74+ 757-200/300 then 73 can increase to 737-400
- Stand 83 Wide can be used for B747-8 and B777X Code F types only
- Stand 73L wide can be used for B777-200F only
- During pushback stands 70L-76R must be vacant
- Stands 70L, 75R, 75 and 76R can be used if a B777-200F is present on stand 73L Wide but these stands must be vacated when the B777-200F pushes back.

**Changes in red:**

- Be aware of the Caution: Jet Blast markings on the pavement when a Code E aircraft departing stand 73L
- Be aware of the Caution: Jet Blast markings on the pavement when a Code E/F aircraft departing stand 83W
## Appendix A – West Apron Stand Directory

### Jan-23

<table>
<thead>
<tr>
<th>Stand No.</th>
<th>MAX. Width (m)</th>
<th>MAX. Length (m)</th>
<th>LARGEST TYPES</th>
<th>Comments/Remarks</th>
<th>Adjacency Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>90</td>
<td>73.00</td>
<td>70.70</td>
<td>B757-200</td>
<td>Nose-In / Push-Back Not to be used if 106 or 121 in use</td>
<td></td>
</tr>
<tr>
<td>99</td>
<td>38.06</td>
<td>57.40</td>
<td>B757-200 (not B757-200W)</td>
<td>Nose-In / Push-Back Not to be used if 98 or 100 in use</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>29.00</td>
<td>57.40</td>
<td>B757-300W</td>
<td>Nose-In / Push-Back Not to be used if 90 in use; use in conjunction with 98</td>
<td></td>
</tr>
<tr>
<td>101</td>
<td>49.00</td>
<td>63.73</td>
<td>MD-11, A350-300</td>
<td>Nose-In / Push-Back</td>
<td></td>
</tr>
<tr>
<td>102</td>
<td>50.90</td>
<td>54.94</td>
<td>B767-300W</td>
<td>Nose-In / Push-Back</td>
<td></td>
</tr>
<tr>
<td>103</td>
<td>50.90</td>
<td>54.94</td>
<td>B767-300W</td>
<td>Nose-In / Push-Back</td>
<td></td>
</tr>
<tr>
<td>104</td>
<td>44.85</td>
<td>54.94</td>
<td>A300-600</td>
<td>Nose-In / Push-Back Not to be used if 107 in use</td>
<td></td>
</tr>
<tr>
<td>105</td>
<td>44.85</td>
<td>54.94</td>
<td>A300-600</td>
<td>Nose-In / Push-Back Not to be used if 107 or 109 in use</td>
<td></td>
</tr>
<tr>
<td>106</td>
<td>41.10</td>
<td>54.94</td>
<td>B757-200W, C130, AN12</td>
<td>Nose-In / Push-Back Not to be used if 106 or 108 in use</td>
<td></td>
</tr>
<tr>
<td>107**</td>
<td>73.30</td>
<td>89.40</td>
<td>AN128, B747-8F</td>
<td>Nose-In / Push-Back Not to be used if 106 or 108 in use</td>
<td></td>
</tr>
<tr>
<td>108</td>
<td>41.10</td>
<td>54.94</td>
<td>B757-200W, C130, AN12</td>
<td>Nose-In / Push-Back Not to be used if 107 or 109 in use</td>
<td></td>
</tr>
<tr>
<td>109(747)</td>
<td>73.30</td>
<td>77.00</td>
<td>AN124, B747-8F</td>
<td>Nose-In / Push-Back Not to be used if 106, 108 or 111 in use</td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>41.10</td>
<td>54.94</td>
<td>B757-200W, C130, AN12</td>
<td>Nose-In / Push-Back Not to be used if 106, 108 or 111 in use</td>
<td></td>
</tr>
<tr>
<td>111</td>
<td>73.30</td>
<td>77.00</td>
<td>AN124, B747-8F</td>
<td>Nose-In / Push-Back Not to be used if 106, 108, 110 or 112 in use</td>
<td></td>
</tr>
<tr>
<td>112</td>
<td>41.10</td>
<td>54.94</td>
<td>B757-200W, C130, AN12</td>
<td>Nose-In / Push-Back Not to be used if 111 in use</td>
<td></td>
</tr>
<tr>
<td>114</td>
<td>44.85</td>
<td>54.94</td>
<td>A300-600</td>
<td>Nose-In / Push-Back Not to be used if 98 in use</td>
<td></td>
</tr>
<tr>
<td>120</td>
<td>50.90</td>
<td>54.94</td>
<td>B707-300W</td>
<td>Nose-In / Push-Back Not to be used if 98 or 122 in use</td>
<td></td>
</tr>
<tr>
<td>121</td>
<td>50.90</td>
<td>54.94</td>
<td>B757-300W</td>
<td>Nose-In / Push-Back Not to be used if 98 or 122 in use</td>
<td></td>
</tr>
<tr>
<td>122</td>
<td>30.63</td>
<td>36.40</td>
<td>ATP, B737-400</td>
<td>Nose-In / Push-Back Not to be used if 121 in use</td>
<td></td>
</tr>
<tr>
<td>123</td>
<td>30.63</td>
<td>36.40</td>
<td>ATP, B737-400</td>
<td>Nose-In / Push-Back Not to be used if 121 in use</td>
<td></td>
</tr>
<tr>
<td>124</td>
<td>38.99</td>
<td>36.40</td>
<td>B737-400</td>
<td>Nose-In / Push-Back Not to be used if 121 in use</td>
<td></td>
</tr>
<tr>
<td>125</td>
<td>20.89</td>
<td>26.46</td>
<td>B737-400</td>
<td>Nose-In / Push-Back</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Stand No.</th>
<th>MAX. Width (m)</th>
<th>MAX. Length (m)</th>
<th>LARGEST TYPES</th>
<th>Comments/Remarks</th>
<th>Adjacency Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>79.75</td>
<td>72.73</td>
<td>A300/AN124, A305, B777-300, B747-8F</td>
<td>Remote parking only Access for Code F aircraft (A300/AN124/B747-8F) not allowed if 98/106/121 occupied</td>
<td></td>
</tr>
<tr>
<td>201L</td>
<td>36.00</td>
<td>39.47</td>
<td>B737-600W, B737-MAX</td>
<td>Remote parking only Not to be used if 201 in use</td>
<td></td>
</tr>
<tr>
<td>201</td>
<td>64.95</td>
<td>70.70</td>
<td>B747-400, A340-300, B777-200</td>
<td>Remote parking only Access for B747/B777/A340 - wingmen must be used when towing on/off stand</td>
<td></td>
</tr>
<tr>
<td>201R</td>
<td>36.00</td>
<td>39.47</td>
<td>B737-600W, B737-MAX</td>
<td>Remote parking only Not to be used if 201 in use</td>
<td></td>
</tr>
<tr>
<td>202L</td>
<td>36.00</td>
<td>39.47</td>
<td>B737-600W, B737-MAX</td>
<td>Remote parking only Not to be used if 202 in use</td>
<td></td>
</tr>
<tr>
<td>202</td>
<td>51.76</td>
<td>54.94</td>
<td>C17, B757-300W, A300-600</td>
<td>Remote parking only Not to be used if 202L or 202R in use</td>
<td></td>
</tr>
<tr>
<td>202R</td>
<td>31.23</td>
<td>36.40</td>
<td>B737-400, ATP</td>
<td>Remote parking only Not to be used if 202 or 203 in use</td>
<td></td>
</tr>
<tr>
<td>203</td>
<td>51.76</td>
<td>54.94</td>
<td>C17, B757-300W, A300-600</td>
<td>Remote parking only Not to be used if 203R or 203L in use</td>
<td></td>
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<tr>
<td>203R</td>
<td>36.00</td>
<td>39.47</td>
<td>B737-600W, B737-MAX</td>
<td>Remote parking only Not to be used if 203 in use</td>
<td></td>
</tr>
</tbody>
</table>

### Notes:

- **109**
  - 00.40
  - 04.00
  - AN-225, A300

### Combos:

- **99+129+121**
  - -
  - B757-200/B757-300W/B747-300W

- **99+109+122**
  - -
  - AN124/B737-400/ATP/B737-400

- **107+109+111**
  - -
  - 3 x AN124 / B747-8F

- **106+109+110+112**
  - -
  - 5 x B737-200W
Appendix A Stands 200 to 202L Stand Directory

Tow plans for stands 201L/R, 202L/R and 203R

**201L**
202R

STAND 202R  ANNEX YB  WEST APRON

203R

STAND 203R  ANNEX ZA  WEST APRON
### Maintenance Area Capacities

<table>
<thead>
<tr>
<th>No.</th>
<th>WIDTH (m)</th>
<th>LENGTH (m)</th>
<th>LARGEST TYPES</th>
<th>COMMENTS / REMARKS</th>
<th>SELF-MANEUVRING</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>30.63</td>
<td>26.01</td>
<td>ATP, AN-26</td>
<td>Light Aircraft engine ground running</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>61</td>
<td>34.32</td>
<td>37.57</td>
<td>A320, B737-700 (not -700W)</td>
<td></td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>62</td>
<td>40.41</td>
<td>34.37</td>
<td>C130 Hercules</td>
<td>Tow from/to abeam Finger 60</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>83WP</td>
<td>47.57</td>
<td>54.94</td>
<td>B707-300 (not -300W)</td>
<td>Caution a/c on 60/61/62/64/65</td>
<td>W/span 28.7m, Length 29.5m maximum (G55/GX5000/GX5500)</td>
<td></td>
</tr>
<tr>
<td>64</td>
<td>30.63</td>
<td>26.01</td>
<td>ATP, AN-26</td>
<td></td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>65</td>
<td>40.41</td>
<td>45.00</td>
<td>A321, B737-800W, C130 Hercules</td>
<td>Caution aircraft on 64</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>DON1-30</td>
<td>22.04</td>
<td>20.85</td>
<td>Citation C.680 Sovereign+</td>
<td>Caution jet blast</td>
<td>Up to W/span 22.04m, Length 20.85m maximum</td>
<td></td>
</tr>
<tr>
<td>GA1-6</td>
<td>22.04</td>
<td>20.85</td>
<td>CL604, F2000, F900, C880+</td>
<td>Caution jet blast</td>
<td>Up to W/span 22.04m, Length 20.85m maximum</td>
<td></td>
</tr>
<tr>
<td>GA7-10</td>
<td>38.00</td>
<td>44.51</td>
<td>A321, B737-800W</td>
<td>Caution jet blast; taxi-in, tow-out</td>
<td>Up to W/span 22.04m, Length 20.85m maximum</td>
<td></td>
</tr>
<tr>
<td>GA11-15</td>
<td>31.70</td>
<td>34.00</td>
<td>G9500, BAE146, C98000</td>
<td>Caution jet blast</td>
<td>W/span 31.7m, Length 34m maximum (G9500/GX7500/GX8000)</td>
<td></td>
</tr>
<tr>
<td>DHLHR1-5</td>
<td>-</td>
<td>-</td>
<td>B707-300W</td>
<td>Under tow only</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WAHGR1-5</td>
<td>-</td>
<td>-</td>
<td>B737-800W</td>
<td>Under tow only</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JCB1-6</td>
<td>36.00</td>
<td>34.00</td>
<td>BBJ8, Gulfstream 650</td>
<td>Caution jet blast</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MA1-4</td>
<td>11.53</td>
<td>9.09</td>
<td>B68 Baron, SF280 Marchetti</td>
<td></td>
<td>B58/SF280</td>
<td></td>
</tr>
<tr>
<td>RRHRGR1-8</td>
<td>31.70</td>
<td>34.00</td>
<td>G9500, G98000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RV1L1-25 #</td>
<td>17.65</td>
<td>13.34</td>
<td>Cessna 406, King Air 350, (Saab340#)</td>
<td></td>
<td>C406/KA350</td>
<td></td>
</tr>
<tr>
<td>H145RV1L1-5</td>
<td>21.44</td>
<td>19.73</td>
<td>Saab 340</td>
<td>Under tow only</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCTHR</td>
<td>-</td>
<td>-</td>
<td>A321</td>
<td>Under tow only</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>ABCHR(N)</td>
<td>-</td>
<td>-</td>
<td>A321, B737-800W</td>
<td>Under tow only</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>ABCHR(S)</td>
<td>-</td>
<td>-</td>
<td>B757-200W</td>
<td>Under tow only</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>ABC_MTH</td>
<td>36.00</td>
<td>44.51</td>
<td>A321, B737-800W</td>
<td>Under tow only</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>#</td>
<td>21.45</td>
<td>19.73</td>
<td>Saab 340B</td>
<td>Under tow only (MA taxiway to/from Hgr 21)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Appendix C: Central Apron Tug release point, stands 9 – 14
3. **MARSHALLING LICENCES**

3.1 The marshalling licence is evidence that the holder has undergone a formal course of instruction on marshalling aircraft and has subsequently demonstrated their knowledge of the requirements in a written and practical examination. The EMA Marshalling Licence entitles the holder to marshall aircraft at EMA. It does not entitle the holder to any right of access or any other privileges.

3.2 **The Permit**

a. The permit is valid for a period not exceeding 3 years.

b. The permit remains the property of EMA and must be surrendered in the following circumstances:
   i. On demand by the Airport.
   ii. Immediately if the holder loses their EMA Airside Driving Licence.
   iii. When a change of employer occurs at the airport. (If commencement of new employment is within one calendar month the licence will be updated, if longer the licence is revoked).
   iv. When the holder ceases to be employed at the airport.
   v. On demand as a penalty for an offence/series of offences.
   vi. If the holders ID card is lost or revoked.

3.3 **Administration**

The scheme is administered by EMA Operations Technical Trainers, who provide the following services in support of the scheme:

   i. Training for EMA and tenant company personnel.
   ii. Issue of the permit and supporting documentation

Any requests to book 8 or more persons on to a single scheduled course will require a non-refundable deposit of 50% of the training cost per attendee. Any operator who would like to request a bespoke course outside of the published timetable, or to book a place on a course should email training@eastmidlandsairport.com to obtain a quotation and availability.

3.4 **Competency**

Upon successful completion of marshalling training (including written and practical examinations), no less than ‘20’ supervised marshalling of aircraft onto stand should be undertaken. A record of each successful marshall shall be documented on the Marshalling Competency Record (provided by the EMA Technical Trainers). The completed document should be signed off by an authorised company marshaller and returned to the EMA Training Team no later than 3 months after training.

3.5 **Safety Regulation**

Penalty points may be awarded against those marshalling non-compliances listed in AOI 14 ‘Airside Safety Regulation Scheme’. Any non-compliance observed by the control room (on CCTV), should be notified to the duty Airfield Operations Supervisor immediately.
4. AIRCRAFT CHOCKING AND THE USE OF TRAFFIC CONES

4.1 Chocks

a. It is the responsibility of the Handling Agent (HA) to ensure that chocks are provided and that the aircraft is chocked. It is the HA’s responsibility to ensure that no person or vehicle approaches or disembarks the aircraft until the aircraft is fully chocked. The HA must ensure that an adequate and sufficient supply of chocks is available at all times.

b. Individual operators should have procedures in place relating to the chocking of aircraft, with consideration given to the prevailing (and forecasted) weather conditions.

c. On departure chocks should remain in place until a manned tug and tow bar are secured to the aircraft for push-back.

4.2 Use of Traffic Cones

a. Traffic cones can be used effectively on the ramp to mark the extremities of aircraft and so assist in preventing collisions between vehicles and aircraft. It should however be remembered that cones are designed with road traffic in mind and not the blast which may be experienced from the jets of a taxiing aircraft.

b. Cones may be used in the circumstances detailed above only, in accordance with the following criteria:

   i. All road traffic cones used on the movement area are to comply with the following standards:
      - Cones weighted in accordance with manufacturer’s recommendations.
      - Cones maintained to ensure compliance with the above standard.

   ii. BS EN 13422:2004+A1:2009 sets design standards to which manufacturers work. It requires for example the mass to weight minima, the reflectivity etc. Specifically, a 1 metre high cone must weigh at least 5.5Kg, a 600mm cone must weigh at least 2.7Kg. The weight must be either integral or in the shape of a slip-on ring of high density rubber. It follows that if the cones purchased comply with the relevant standards and are maintained as bought they will meet the Airport’s requirements.

   c. EMA permits the use of cones coloured orange or blue.

5. AIRCRAFT ENGINE GROUND RUNNING AND THE USE OF APU’S/GPU’S

5.1 EMA is responsible for ensuring the safe ground running of aircraft engines on the aerodrome and the control of blast, fumes and ground noise. Due to the environmental impact of engine ground running, particularly at night, it must be strictly controlled with the number of ground running operations kept to an absolute minimum.

5.2 An engine ground run is defined as any engine start-up not followed immediately by the departure of the aircraft concerned. A high-powered engine ground run is defined as any engine ground run which exceeds low or idle power.
5.3 Approval

a. Approval for an engine ground run at any time must be obtained in advance from the Control Room on 01332 852973. The following information must be provided when seeking approval to carry out an engine run:

i. Operator Details
   - Airline
   - Aircraft type and registration
   - Contact name and telephone number
   - Number of persons on board

ii. Engine Ground Run Parameters
   - Requested location for engine run
   - Planned engine run start time
   - Expected duration
   - Level of engine power to be used
   - Duration at high power (if applicable)
   - Number of engines to be run simultaneously

iii. Operational Requirements
   - Type of maintenance check
   - Why the engine run is required
   - Flight number and planned aircraft departure time (if applicable)

b. The above details will be recorded by the Operations Control Room on an “engine run” database, and each application will, following successful submission of all details, generate a unique EMA approval number. Air Traffic Control will be informed of each new approval. Database details appertaining to engine ground running will also be available to Terminal Management and the (MAG) Environment Department. Any variation to the details given must be the subject of a further approval/new approval number. Any run that is significantly different from the approval must be logged in both the ‘notes’ section of the engine run approval database and the ATC watch log.

c. Permission to start engines or to alter the power setting during an engine run must be obtained from ATC via Ground Movement Control or Tower Control; the EMA approval number must also be quoted. Shutting down engines once the engine run is complete must also be reported to ATC.

d. ATC and Airfield Operations will monitor approved ground running operations. If the parameters contained in the approval detail are exceeded, the operation will be immediately terminated by the AOS through ATC.

5.4 Safety

a. All personnel concerned with engine ground running must be fully conversant with the regulations, which must be complied with at all times. Aircraft shall be positioned such that noise and efflux are directed away from the most noise sensitive areas.

b. During all ground running of engines, a listening watch must be maintained on the current operational ATC frequency, which will be either Ground Movement Control or Tower Control to ensure the prompt initiation of any emergency procedures.
c. The aircraft anti-collision beacon(s) must be switched on before engines are started and must remain on for the duration of the ground run.

d. The aircraft must be positioned so that the engine run efflux will not harm persons or cause damage to aircraft, buildings, installations, vehicles or equipment in the vicinity.

e. The engineer in charge of the ground run must ensure that the aircraft wheels are safely chocked and that the aircraft cannot move under any circumstances.

f. The engineer in charge must ensure that no person, vehicle or equipment are within the potential jet blast area behind the aircraft. That the ground is firm and free from loose tarmac, stones and other materials. That the area immediately in front of the engine intake(s) is clear. All equipment must be placed at a safe distance from the aircraft.

g. When an engine run is carried out a trained person is to be in verbal contact with the flight deck at all times. They will communicate by the R/T or interphone with the flight deck to ensure that the engine(s) are shut down if persons or vehicles move into the danger area in front of, behind or in the vicinity of a live engine. For this purpose and if the RT or interphone link is unserviceable, hand signals by day and light signals by night may be used.

5.5 Engine Running Parameters

a. Airfield Operations will select the most appropriate location for each engine run taking into account.

i. Surface wind

ii. Power settings to be used

iii. Noise in the immediate vicinity

iv. Duration of the run

v. Effect on local communities

b. Engine ground runs will not be approved between 23:00 and 06:00 hour’s local time unless the aircraft concerned is required for an EMA service departing at or before 07:00 hours local time, the same day.

c. Engine ground runs for aircraft that have been undergoing planned maintenance and/or aircraft departing on positioning flights will not be approved between 23:00 and 06:00 (local time) under any circumstances.

d. Requests for engine ground runs between 23:00 and 06:00 (local time), where the aircraft is being operated for a third party, must be accompanied by a verbal request from a senior manager of the third-party company who must confirm that the aircraft (by registration) is needed for a departure before 07:00 (local time), the same day.

e. The exact position of the engine run will be issued according to the prevailing weather conditions and will be confirmed by the AOS when the authorisation number is issued.

5.6 Central and Central-West Aprons

a. On the Central and Central West Aprons’ engine ground runs will be limited to check-starts and idling power. For checks requiring the use of greater power settings a move to a suitable location will be required.
b. Ground runs will not be permitted on any stand that has an apron road running behind it. A move to a suitable location will be required.

c. Ground running must not take place when passengers are being embarked/disembarked on any adjacent or opposite stands.

5.7 West Apron

a. On West Apron stands, engine ground runs will be limited to check-starts and idling power only.

b. High power engine runs on the West Apron taxiways are, subject to prevailing wind conditions, only to be carried out:

i. Facing west on the Bravo taxiway with the nose of the aircraft abeam stand 105.

ii. Facing east on the Bravo taxiway with the nose of the aircraft at holding point Bravo.

iii. Facing south on the Juliet taxi lane with the nose of the aircraft abeam stand 124.

iv. Facing north on the Juliet taxi lane with the nose of the aircraft at holding point Juliet.

Note: Engine ground running on ‘Juliet taxi lane restricted to maximum code D aircraft. Runs facing north need to be aware of the uncontrolled crossing at the southern end of the taxi lane, aircraft to be positioned to prevent jet blast issues in this area.

5.8 East Apron

a. On the East Apron stands, engine ground runs will be limited to check-starts and idling power only. High power engine runs on the East Apron (Delta) taxiway is subject to prevailing wind conditions, only to be carried out:

i. Facing west on the Delta taxiway with the nose abeam the Uniform centreline.

ii. Facing East on the Delta taxiway with the nose abeam stand 79.

5.9 Maintenance Area

a. In the Maintenance Area engine ground runs for aircraft powered by jet engines and propeller aircraft with a Maximum Take Off Weight (MTOW) exceeding 6,000 Kgs will be limited to check-starts and idling power. For checks requiring the use of greater power settings a move to a suitable location (as detailed in paragraphs 5.7 and 5.8) will be required.

b. High power engine runs are permitted for turbo-prop and piston aircraft only with an MTOW up to but not exceeding 6000 kgs (Cessna 406 being the largest aircraft type).

c. All high-power runs will only be permissible on Finger 60.

5.10 Environmental Considerations

a. The criteria for selecting the location for the engine run should be to minimise the environmental impact of the run while protecting the safe operation of the airport.
b. Wind can exacerbate noise if it is blowing in the direction of the surrounding communities. Unfortunately, the strength of the wind may preclude the ideal position being used. Whenever possible, however, the position should be selected taking the wind into account thus:

i. Wind 360 – 060 do not use east apron
ii. Wind 060 – 120 use either east or west apron
iii. Wind 120 – 150 do not use east apron
iv. Wind 150 – 240 do not use west apron
v. Wind 240 – 270 do not use east apron
vi. Wind 270 – 310 use either east or west apron
vii. Wind 310 – 360 do not use west apron

5.11 Auxiliary Power Unit (APU)

a. Aircraft APU’s generate high levels of noise and significant fumes which can cause disturbance to those on nearby aprons or in buildings and residential areas. The noise of an APU may mask the noise of an approaching vehicle, thus endangering staff.

b. Airlines and handlers are to ensure that APU’s are used for no more than 5 minutes after arrival on stand and no more than 30 minutes before planned departure. Wherever possible they are not to be used whilst passengers are embarking or disembarking.

c. APU’s are not to be used as a substitute for Ground Power Units (GPU’s).

d. Inbound aircraft with unserviceable APU’s and/or requiring an “air start” on departure will not be restricted in terms of parking stands. However, on any stand that adjoins a rear of stand road single engine starts should be used, with second engine start / cross-bleed on the taxiway.

5.12 Ground Power Units (GPU)

a. Constantly running GPU’s can cause high noise levels on the apron, are an additional obstruction to free movements around a parked aircraft and if poorly maintained, may deposit oil spillage on the stand.

b. When purchasing new GPU’s operators should take account of the manufacturers noise attenuation standard, 85 dBA at 4m is the maximum level permitted. Lower working noise levels should be encouraged in the selection process.

c. Operators are to ensure that when GPU’s are in use, the connection cable between the GPU and the aircraft is routed, so that as far as is reasonably practicable, it does not cause a trip hazard.

d. Operators are to ensure that GPU’s will be maintained so that they do not present a safety/environmental hazard i.e. emissions, and all cabling is adequately shielded.
5.13 Line Maintenance

a. To meet the demands of increasing air transport movements and to achieve optimum usage of prime stands i.e. those nearest to the terminal, the priority for stand usage is given to arriving/departing aircraft.

b. When maintenance is undertaken on an aircraft on any apron, which could inhibit its removal from stand, the flexibility for allocating that particular stand to an arriving/departing aircraft is reduced. To avoid this, no such line maintenance (as described) is to be started without the prior permission of Airfield Operations Supervisor on 07880 787543.

c. Any Line Engineer undertaking jacking activity on an ‘asphalt covered’ aircraft stand should, prior to commencing work contact the Airfield Operations Supervisor (07880 787543). An assessment will be made as to whether the aircraft should be moved to a ‘concrete’ stand or if work may continue in the current location and a spreader plate be used under the jack of the aircraft. Spreader plates may be applied as separate equipment if they are not an integral feature of the jack system itself.

6. FOREIGN OBJECTS ON THE APRON AND THE REMOVAL OF HAZARDS

6.1 FOD Policy Statement:

Foreign Object Debris (FOD) is any object, material or liquid which could cause damage to an aircraft. FOD represents one of the most serious avoidable hazards to aircraft on the ground. Airport activity generates a great deal of waste material and debris which if not controlled can exist freely on aircraft movement areas, and is therefore a very challenging risk to control. East Midlands Airport will reduce the FOD risk by operating a surface sweeping regime and educating airside users about the hazards of FOD, EMA will provide facilities for the collection and disposal of FOD and actively enforce the FOD Control Policy. FOD generated through maintenance and larger ‘project’ works will be managed in accordance with EMA ‘Management of Contractors’ processes.

6.2 EMA is responsible for taking adequate measures to ensure the safety of aircraft, vehicles and persons using the aprons. A fundamental element of the safety effort is to maintain the aprons in a clean condition and free from obstructions.

6.3 FOD is regularly deposited on the Movement Area and it is essential that all airport personnel understand the danger to flight safety that such objects represent. They may be ingested into aircraft engines causing damage leading to engine failure, which is especially critical if it occurs in flight, particularly during the take-off phase. At best, such damage leads directly to premature engine removal and replacement. In addition, damage can occur to tyres and undercarriages, control systems and other parts of the airframe. All such damage could lead to in-flight failures and inevitably requires expensive repairs to be made. All foreign objects are a threat to aircraft safety.

6.4 The list of FOD items most frequently found on the apron is long and includes plastic and paper bags/sheets, rags, empty oil and hydraulic fluid cans, empty soft drink cans or bottles, nuts and bolts, tools and equipment, luggage wheels and tags, burst ballast bags, broken wooden items and miscellaneous rubbish.
6.5 Under the provisions of the Air Navigation Order, it is an offence to deposit or leave any item of FOD on any part of the Movement Area. It is the direct responsibility of airlines, handling agents, fuelling companies, cleaning companies, catering companies, engineering operatives/contractors and all other users of the aerodrome to ensure that it is maintained in as safe and clean a condition as possible and that all FOD is removed as soon as it is found. All those working on the apron must exercise great care, particularly those working on aircraft, to ensure that no FOD is left behind from their operation.

6.6 Before proceeding from one airport area to another, via a route crossing the Movement Area, all vehicles must be carefully inspected to ensure that anything that is carried in or on the vehicle is secure. All doors and tail/side boards are to be closed and securely locked, and no parts of the vehicle or trailer are loose or likely to become detached.

6.7 The requirement for the provision of waste skips, in and immediately adjacent to airside areas should be closely managed and only ‘fully enclosed or covered’ skips should be used.

6.8 Removal of Apron Hazards

a. The parking or abandonment of unserviceable ground equipment or vehicles, contractor’s materials and miscellaneous objects on the aprons, constitutes a safety hazard and contributes to apron congestion.

b. If unserviceable equipment, vehicles, contractor’s materials or other miscellaneous objects (hereinafter referred to as ‘the object’) are found to be creating an obstruction or hazard they will be issued with a ‘notification of non-compliance’ by Airfield Operations.

c. If an offending object is considered to be an immediate hazard, arrangements should be made, as a priority, for its removal.

7. AIRSIDE DRINKING WATER FACILITIES

7.1 Airside drinking water is provided and intended for use by all personnel working airside including cargo and non-airside based operators.

Water stations are located:

- North of the East 2 security gatehouse.
- Amenities block, adjacent to the Fire Station gym.
- Base of ATC tower, adjacent to the potable water point
- East of the East 1 Gatehouse

7.2 Protocols of use:

- An empty plastic water container will be required for personnel wishing to use the facility.

- The drinking water facility will be operated by a pushdown button (to prevent unnecessary wastage of water). Please ensure that water is not left to run excessively.

- Foreign Object Debris (FOD) bins are provided at each facility to ensure all staff dispose of unwanted bottles in a responsible manner.
• In the interest of hygiene, please do not drink directly from the tap.

• The facilities will be subjected to routine purity checks and de-chlorination to ensure Health and Safety compliance.

• If you notice a leak please report it immediately to the Operations Control Room on 01332 852973.