LAMP PIR Requirement A-Env2, A-Env4

Commentary on Track Plots for Stansted SID Usage
Post-implementation of LAMP Phase 1A

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For publication

NATS

Stansted SID Usage – commentary and sample data info

This document provides a brief commentary on the track plots provided for item A-Env2 of the LAMP PIR.
These pictures compare consultation document Fig 5 and Fig 6 (2013 radar density data)
with the equivalent 2016 sample data using the same settings and the same areas.

A sub-folder contains the relevant track plots in PDF format.

Commentary
Pre-implementation, the traffic splits close to the runway onto two SIDs, approximately 45% CLN/55% DET.

The consultation document Fig 4 (schematic) predicted that almost all traffic would head towards CLN and then would split into two main flows, east 45% & southeast 55% along the new route (U)M84.

The post-implementation arrangements show that 96%+ of traffic routes towards CLN.
NATS flightplan data for the first year of implementation shows that the traffic splits in the vicinity of CLN into two main flows, east 42% and southeast 58% (data based on flights filing via ARTOV L620 or via KONAN M84).

Conclusion
The post-implementation arrangements are consistent with the predictions made in the consultation material.

Month, Year, Runway dir	CLN Deps	DET Deps	Total Sample	%CLN/ %DET	Specific Dates
Jun 2013 E	379	466	845	45%/55%	01 to 07 June 2013
Aug 2013 W	330	468	798	42%/58%	10 Aug and 12-17 Aug 2013
Jun 2016 E	763	31	794	96%/4%	01 to 06 plus 08 June 2016
Aug 2016 W	915	19	934	98%/2%	01 to 07 Aug 2016

7 days per sample as per original consultation, count based on spatial filtering of relevant traffic flows

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Annually, 04 Feb 16 to 03 Feb 17:

19,787 deps via ARTOV L620 (Equivalent to pre-implementation CLN)
26,865 deps via KONAN M84 (Equivalent to pre-implementation DET)
46,652 deps total via new arrangement, split 42% ARTOV (E, CLN) and 58% KONAN (SE, DET)
Data source FPLs via ARTOV L620 or via KONAN M84 for the period

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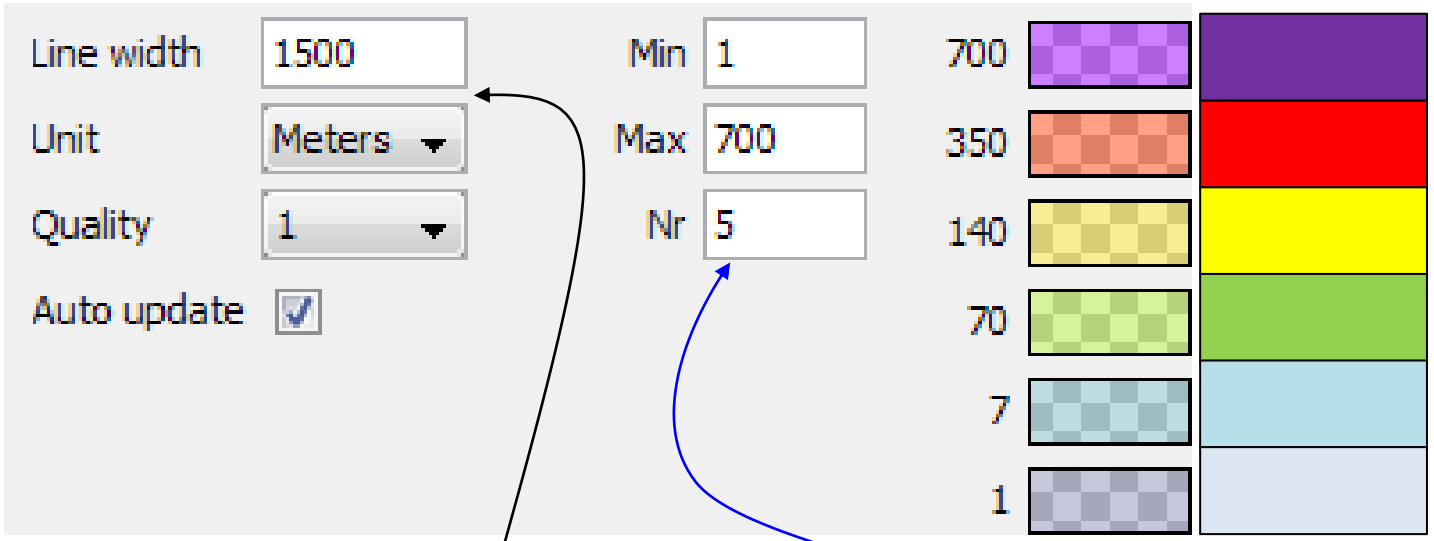
Stansted Density Plots for LAMP PIR
Updated density tool - Colour assignments – Flights Per Day



100 or more
50-99.9
20-49.9
10-19.9
1-9.9
>0, up to 0.9

Each flight in this sample is set to be a 1500m wide track (750m either side of the radar trajectory)

Settings for number of *divisions* between densities, and what quantities define the min/max colour bands

Where a number of tracks overlap *the same place within the 7 day sample period*, it shows the appropriate colour.
The density colours are set to 50% transparent so the underlying OS map can be seen.
E.g. for a yellow colour to be seen, 140-349 flights overflew within 750m of a location *over the 7 day period*
Dividing 140-349 flights by 7 days is “20 to (less than 50)”, hence 20-49.9

End