

From: Drouet, Christina (FAA)
Sent: Thursday, August 17, 2017 3:51 PM
To: 'Ernst Kosower' <erkosower@comcast.net>
Cc: Keefer, Jim (FAA) <Jim.Keefer@faa.gov>
Subject: RE: ORD NADP 1 & DP

Ernie,

Thank you for reaching out. I hope the answers below address your questions.

NADP 1 procedures are not used at O'Hare. NADP 1 is a generic term for a noise abatement departure procedure designed to mitigate noise close-in to an airport (NADP 2 is for noise mitigation further out). NADP 1 (and NADP 2) have to do with climb profiles. NADP procedures prescribe specific power and flap settings for specific aircraft to mitigate noise. They are aircraft, airline and airport specific. They are not air traffic assigned procedures. Rather, they are developed in coordination between an airport and airlines as to what climb profile is preferred.

We also do not use RNAV departures at ORD. Instead, the FAA uses RNAV routes. The difference is RNAV routes use multiple vectors off the ground to fan aircraft. It spreads the departures over a larger area. An RNAV departure would concentrate departing aircraft on an exact route.

During busy times, we use RNAV routes to assign **multiple** headings to get spacing between departures, allowing for more frequent departures. At night, when the airport is less busy, noise abatement procedures are in effect. The following headings, contained in the CDA's Fly Quiet Program Manual, are used:

28R – 290 heading to 3000' MSL, then assigned heading
4R – 040 heading for 1 mile, then 090 heading to 3000' MSL, then assigned heading
22L – 180 heading to 3000' MSL, then assigned heading
All other runways – maintain runway heading to 3000' MSL, then assigned heading.

With the right coordination between the airport and airlines, NADP or RNAV departures could be used in the future at O'Hare, but they would have to be studied for safety, efficiency, and environmental impacts.

With regards to September 20th, I will be unable to attend the meeting [REDACTED]
I'm happy to address any additional questions you may have before that time.

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