

TRANSMITTAL OF AIRWAYS / ROUTE DATA

AIRWAY NO. OR ROUTE	FROM	ROUTINE OR DOCKET NO.	CONTROLLING @ TERRAIN/OBSTRUCTION AND COORDINATES	MRA	MAA	GNSS MEA	CHANGE OVER POINT	FIX MRA/MCA	REMARKS	FLIGHT INSPECTION DATES
	TO			MOCA	MEA					
Q62	WATSN (FB), IN	11-AGL-25			45000	18000			OKK, OXL, BVT, GIJ, GRR, GSH, FWA.	PENDING
	DAIFE (FB) (TF), IN									
Q62	DAIFE (FB), IN	11-AGL-25			45000	18000			GSH, BVT, OKK, OXI, ROD, CRL, FWA, GIJ, DXO, GRR, PMM.	PENDING
	NOLNN, (FB) (TF), OH									

DATE	OFFICE AJV-311	TITLE MANAGER	SIGNATURE RAY NUSSEAR
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RADIO FIX AND HOLDING DATA RECORD

NAME: NOLNN

STATE: OH

COUNTRY: US

LATITUDE/LONGITUDE: 411403.75N/0843812.01W

TYPE: WP

AIRSPACE DOCKET: 10-AEA-11

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE
EN ROUTE

USE TITLE
Q62

FAC PAT AIRPORT IDENT CITY

STATE
(US)

REQUIRED CHARTING: CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/20/2011

DEVELOPED BY:

DATE: 04/21/2011

OFFICE: AJV-311

NAME: ERIC POWELL

APPROVED BY:

DATE: 08/29/2011

OFFICE: AJV-311

NAME: DONALD SMITH

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZOB
ATC FACILITY:
OTHER:

FLIGHT PROCEDURES STANDARDS WAIVER

FLIGHT STANDARDS USE ONLY

CONTROL NO:

1. Flight Procedure Identification:

Q-62 Amendment Docket No. 11-AGL-25

2. Waiver Required and Applicable Standard:

TIL 02-042, Area Navigation (RNAV) "Q" Route processing - Dec. 12, 2002 and Ref: Area Navigation (RNAV) Routes Establishment Guidelines Memorandum - Mar 24 2003. Minimum distance between two successive waypoints along an RNAV route is 12 Nautical Miles. A valid RNAV minimum segment length can be calculated IAW FAA Order 8260.54.

3. Reason for Waiver (*Justification for nonstandard treatment*):

Q 62 is a charted route that ends in Cleveland airspace. An amendment extends the route into Chicago ARTCC airspace connecting to a RNAV Standard Terminal Arrival Route (STAR). The agreed upon traffic flow from Cleveland Center to Chicago Center extends through DAIFE and WATSN waypoints. The placement and use of these fixes support an optimized, safe and expeditious flow of traffic between facilities. The minimum segment length per memo criteria is 12 nm whereas the distance between fixes DAIFE and WATSN is 8.17 NM with a 3 degree turn.

4. Equivalent Level of Safety Provided:

The United States Standards for Area Navigation (RNAV) FAA Order 8260.54A as supplemented by Performance Based Navigation Instrument Procedures Minimum Segment Length Standard Memorandum Performance Based Navigation (PBN) Instrument Procedures Minimum Segment Length Standard Dated FEB 06, 2012. i.e. Minimum RNAV Leg Length Policy - The minimum segment length between waypoints for straight segments is 1 NM (turns of ten degrees or less are considered straight).

FAAO Order 8260.54 Par 2.7, Feeder Segment criteria was used to construct the RNAV 2 STAR leg segment between DAIFE and WATSN. This criteria is was used to validate the construction and minimum segment length for the RNAV 2 Q Route.

5. How Relocation or Additional Facilities Will Affect Waiver Requirement:

Consideration was given to ending the Q route at the intermediate fix DAIFE along the WATSN STAR ZANLA transition but Air Traffic in collaboration with Operators prefer to stay on the Q route from DAIFE to WATSN and join the STAR at the common fix WATSN. The RNAV STAR segment length between DAIFE and WATSN is charted as 8 NM.

6. Coordination With User Organizations (*Specify*):

7. SUBMITTED BY

DATE:

Office Identification:

Title:

Signature: