

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION (FAA)  
MISSION SUPPORT SERVICES  
AERONAUTICAL NAVIGATION PRODUCTS  
<http://aeronav.faa.gov>

DIGITAL EN-ROUTE SUPPLEMENT  
CHANGE NOTICE  
(DERS-CN)  
WEB\_DERS\_CN\_README.PDF FILE  
Revision 1.6 - February 12, 2009  
Revision 1.6 - Updated Instructions to Remove DAI CD Reference

FOR THE DERS-CN, EACH DELIVERY INCLUDES:

1. WEB\_DERS\_CN\_README.PDF: This file provides an overview of the Digital En-Route Supplement Change Notice (DERS-CN) and the format for the Change Notice data file.
2. IAP\_CHANGE\_NOTICE.DAT: Digital Aeronautical Data for the Change Notice.
3. IAPChangeChk.exe: A program for checking data integrity on the Digital En-Route Supplement Change Notice (DERS-CN).

\*\*\*\*\* IMPORTANT NOTE \*\*\*\*\*

FOR EVERY CHANGE NOTICE DELIVERY,  
BEFORE DOWNLOADING THE CHANGE NOTICE DATA FILE TO YOUR COMPUTER,  
CHECK THE EFFECTIVE DATES FOR THE DATA AND DELETE THE  
CHANGE NOTICE DATA FILE FROM PREVIOUSLY DOWNLOADED EDITIONS.  
THE INFORMATION FOUND IN THE CHANGE NOTICE DATA FILE IS  
VALID FROM THE MID 28-DAY POINT OF THE AIRSPACE CYCLE,  
UNTIL THE NEXT EFFECTIVE DATE, AT WHICH TIME,  
THE CHANGE NOTICE FILE WILL BE REMOVED FROM THE AERONAV WEB SERVER.

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CONTACT INFORMATION  
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FOR CONCERNS WITH EITHER THE PROGRAMS OR THE DATA  
INCLUDED WITH THE CHANGE NOTICE PACKAGE, PLEASE CONTACT:

Federal Aviation Administration (FAA)  
AeroNav Products

SSMC-4 Sta. #4445  
1305 East-West Highway  
Silver Spring, MD 20910-3281  
TELEPHONE: 1-800-626-3677  
Email: 9-AMC-Aerochart@faa.gov

FOR QUESTIONS CONCERNING WEB ACCESS OR FOR INFORMATION ON  
THIS PRODUCT, DIGITAL DATA AND OTHER PUBLICATIONS,  
PLEASE CONTACT:

FAA, AeroNav Products Logistics Group  
10201 Good Luck Road  
Glenn Dale, MD 20769-9700  
Online at <http://aeronav.faa.gov>  
Telephone 1-800-638-8972  
Fax 301-436-6829  
Or any authorized chart agent  
Email Questions to: 9-AMC-Chartsales@faa.gov

CAUTION

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THE DIGITAL EN-ROUTE SUPPLEMENT CHANGE NOTICE  
IS DESIGNED TO BE USED WITH AERONAUTICAL CHARTS FOR  
FLIGHT PLANNING PURPOSES ONLY.  
IT SHOULD NOT BE USED AS A SUBSTITUTE FOR A CHART.

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INSTRUCTIONS FOR VIEWING THE CHANGE NOTICE DATA FILE:

The Change Notice data file is an ASCII text file and can be viewed in the editor or word processor of your choice. It is designed to be viewed with a non-proportional font, such as Courier New.

When viewing the file in Microsoft Notepad (or other editors), turn Word Wrap off. Word Wrap is turned on and off (in Notepad) by selecting it on the Edit Menu. Also (in Notepad), from the Edit menu, select Set Font. Choose the font Courier New and the text size you want. You can adjust how much of the file is viewable both horizontally and vertically by changing the size of the font and the size of the window.

In word processors, set the font for the entire file to Courier New with the text size you want. If the lines of the file do not fit and wrap to the next line, make the left and right margins smaller and/or the font size smaller. For the data files with long lines, in addition to adjusting the margins and font size, change the orientation from portrait to landscape.

DIGITAL EN-ROUTE SUPPLEMENT  
CHANGE NOTICE

FOREWORD

The Digital En-Route Supplement is specifically designed to provide digital Airspace data not otherwise readily available. The product is updated every 56 days. In addition to the 56-day IAPFIX.DAT file is a Change Notice issued at the mid 28-day point containing changes that occurred after the 56-day publication.

Routes are listed numerically in ascending order according to the official description. A break in continuity of a route is indicated by a blank space in the listing. Navigational aids and fixes are listed with their official location identifier, if one has been assigned. Fixes without official location identifiers (airway intersections, ARTCC boundary crossing points, etc.) are identified by a five-digit computer code (FAA number). This number is for automation purposes only and is not intended to be used for any part of a filed route of flight.

Horizontal Datum: Alaska, Canada and Conterminous United States are based on 1983 North American Datum. All other areas are based on local datum.

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\*\* FORMAT FOR THE DERS CHANGE NOTICE FILE \*\*

The following is the format for the Selected Instrument Approach Procedure NAVAIDS and Fix Change Notice data file (IAP\_CHANGE\_NOTICE.DAT):

The File header begins on line 28. The file header contains eight lines of data. Lines 1-2 contain the file title. Line 3 contains the effective date of the data. Line 4 is a blank line. Lines 5-7 are the titles for the column information, followed by line 8, which is blank. The data begins immediately following the file header. Data in the IAP\_CHANGE\_NOTICE.DAT file is listed by state, city and airport. Each airport has a header. The airport header is made up of 3 lines. Line 1 lists the city and state where the airport is located. Line 2 contains the airport name and its location identifier in parentheses. Line 3 is blank. The data for the airport follows each airport header. The type of data (NAVAID or Fix) is listed, then a blank line, followed by the data itself. All lines in the headers have a DATCHK code right justified at its end. The NAVAID and Fix data uses the following format:

NOTE: The fix longitude data is offset by one character from the NAVAID longitude, otherwise the records are the same. Where there is a difference in columns between the NAVAID and Fix records, the Fix columns will be in parentheses.

Column	Data Element	Description
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1	Change Code	Flag for modification made during the current NAS cycle A - Add C - Change
2-3	Blank	
4-8	Location Identifier	
9-15	Blank	
16-17	Latitude Degrees	
18	Blank	
19-20	Latitude Minutes	
21	Blank	
22-25	Latitude Seconds	To tenths of seconds with decimal point
26	Blank	
27	Latitude Hemisphere	
28-33 (28-34)	Blank	
34-36 (35-37)	Longitude Degrees	Right Justified
37 (38)	Blank	
38-39 (39-40)	Longitude Minutes	
40 (41)	Blank	
41-44 (42-45)	Longitude Seconds	To tenths of seconds with decimal point
45 (46)	Blank	
46 (47)	Longitude Hemisphere	
47-51 (48-51)	Blank	
52-54	Magnetic Variation	NAVAIDS Only

55-61	Blank	
62-67	Elevation	NAVAIDS Only, zero filled, sign in col. 62 (blank if above sea level)
68-70	Blank	
71-77	Type	Facility Type
78-79	Blank	
80-85	DATCHK Code	Right Justified

Blank lines occur between record types.

A Deletions list appears at the end of the file. The deletions list header contains five lines. Lines 1-2 contain the title of the file. Line 3 contains the effective date of the data. Line 4 contains the word "DELETIONS", followed by line 5, which is blank.

The NAVAID and Fix records in the deletions section are preceded by a line containing the city and state, a second line with the airport name and identifier, and a third line, which is blank. These lines are left justified, using a format similar that of the airport header. The NAVAID and Fix records have the following format:

Column	Data Element	Description
1	Change Code	Flag for modification made during the current NAS cycle D - Entire Airport Deleted
2-3	Blank	
4-8	Facility Name	
9-11	Blank	
12-18	Type	Facility Type
19-79	Blank	
80-85	DATCHK Code	Right Justified

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