ARINC 424 NDB

Draft 1 of Supplement 24
Discussion/Proposal

Location St louis, Missouri
September 13-15, 2022

ADDING NEW VIA CODE FOR ET RECORDS

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SUMMARY
Some Sources include information to connect 2 fixes via "Free Route Airspace" rules in preferred routes. Currently, this cannot be reflected in ET records. This proposal would add a new VIA code for preferred routes.

1.0 INTRODUCTION/ BACK GROUND

With the introduction of Free Route Airspace, there may be defined rules on how to connect entry and exit points within a country. Now, I found sources of preferred routes, which do include such connections.

Currently, we can only code these as directs (DIR), which is acceptable, but we now have a customer who wishes to differentiate between a real direct and a via Free Route Airspace rules.

2.0 DISCUSSION and or ACTION

The group is kindly asked to review the proposal to delete the content of 5.242 as this field is no longer in use.

3.0 Changes as depicted (Track Changes is Helpful)

5.77 VIA Code

Definition/Description: The VIA Code field is used to define the type of route used in the SID/STAR/Approach/Airways field (Section 5.78) on Company Route records and defines the type of route used in the AWY Identifier on Preferred Route records. On the Preferred Route records, some codes define the use, or restriction to use, of a fix or routing.

Source/Content: The code to be entered must be selected from the tables below:

Company Route Record (R)

VIA Field	Description
ALT	Alternate Airport
APP	Approach Route
APT	Approach Transition
AWY	Designated Airway
DIR	Direct to Fix
INT	Initial Fix
PRE	Preferred Route
SID	Standard Instrument Departure
SDE	Standard Instrument Departure - Enroute Transition
SDY	Standard Instrument Departure - Runway Transition
STR	Standard Terminal Arrival and Profile Descent
STE	Standard Terminal Arrival and Profile Descent - Enroute Transition
STY	Standard Terminal Arrival and Profile Descent - Runway Transition

Preferred Route Record (ET)

VIA Field	Description
AWY	Designated Airway
DIR	Direct to Fix
FRA	Free Route Airspace rules to Fix
INT	Initial Fix
RVF	Route via Fix
RNF	Route via Fix not permitted
SID	Standard Instrument Departure
STR	Standard Terminal Arrival and Profile Descent

Current Via	Next Via												
	INT	DIR	SDY	SID	SDE	AWY	STE	STR	STY	APT	APP	ALT	FRA
INT	N												
DIR	N												
FRA	N												
SDY	N		N										
SID	N		N	N									
SDE	N		N	N	N								
AWY	N		N	N	N								
STE	N		N	N	N	N	N						
STR	N		N	N	N	N	N	N					
STY	N		N	N	N	N	N	N	N				
APT	N		N	N	N	N	N	N	N	N			
APP	N		N	N	N	N	N	N	N	N	N		
ALT	N	N	N	N	N	N	N	N	N	N	N	N	N

Note 1: N means sequence not allowed, blank means sequence is allowed.

Note 2: The To Fix must match the beginning fix of the following Via.

Used On: Company Route and Preferred Route records and Helicopter Operations Company Routes

Length: 3 characters

Character Type: Alpha/numeric

Note: Table 5-19 illustrates how various fields are to be completed in the Company Route Record based on the various VIA Codes defined in this section.