

## **Frequency Finder** 6 SSR Mode S II Codes



### Workshop Mexico City, Mexico, 6 – 10 November 2017 Presented by Loftur Jonasson ICAO/HQ Mie Utsunomiya ICAO/HQ Robert Witzen



### SSR Mode S II Codes (1) Start (1)

- Functionality for the Mode S II module is similar to that for VHF COM frequency assignments
- Navigate to the Home Page for Mode S II Codes with the button SSR II on the Start Page
- Home Page is under development to include synchronization with the Global Mode S II Code list
- From the Home Page the user can navigation to the Table wit SSR Mode S II Codes



# SSR Mode S II Codes (2)

- Button Go to SSR II navigates to the Mode S II Code list and triggers the integrity check.
- The SSR II code list is the main page to:
  - Add, modify, delete Mode S II Codes
  - Browse and Query the Mode S II Code list
  - Test compatibility of Mode S II Codes
  - View calculation results
  - Export Mode S II Codes or parts of it
- These functions are the same as for COM list 3



## Home Page → Mode S II Code list Integrity Check

- Find records same Key (partially duplicates)
- Find records with empty essential fields
- II Codes outside the range 1-16
- Find draft records

- Request user which record to keep
- User intervention (keep/repair)
- User intervention (keep/repair)
- User intervention (keep/convert/delete)



### Mode S II Code list (1)

E Frequency Finder		
Image: State	Q.,	
Layourt: SSR_G.OBALLIST * Wew As:	AA.	EditLayout
User Regional Office // 2017.0 Active Region -+AFI SSR Mode S Interrogator Identifier (II) Code list User Manual Sync Manual ST		
total found		
US 21 KEY REGON SSR code 21 COUNTRY 21 NAME location LATITUDE LONGITUDE DOC (NIN) Cluster ATS Unit served AMSL (m) REMARKS	ChDate	ChBy
E 5000 A/I I Benin BEN Cotonou 06021'31" N 002022'59" E 200	12/02/2017	WACAF
E S100 AFI BOTSWANA BOT Gaborone [24032'33" S 025D55'52" E 200 Sir Seretse Khama	12/02/2017	ESAF

- The Navigation, Query/Select, Functions and Special Functions buttons provide for the same functionality as those for the VHF COM list 3.
- When clicking the field DOC, the coverage (range) for each of the 24 sectors is displayed
- When the field DOC reads "Sectorized", the coverage is different in different directions



### Mode S II Code

#### Add new or modify SSR Mode S II Code

- Click the button new or Mode Mode S II Code on the II Code list
- This window allows the user to enter the characteristics for the new or modified II Code assignment
- Click the button COVERAGE to enter the circular coverage for the Mode S station
- Each of the 24 sectors can be modified in cases where the coverage is sectorized
- After entering the coverage, click the button Re-calculate test points
- Click the button *Test* to test the compatibility of the new or modified II Code



#### Mode S II Code list (1)

#### Add, modify or search for a compatible Mode S II Code

The Four Diew laser colline Decolos Sculto Tone Willion Deb	
T Frequency Finder	
User State 77 2017.0 Active Region SAM SSR Hode S Interrogator Identifier (II)	Code User Manual Sync Manual ST *
Start Home Start Home Save New or Modified II Code SAM II Code list Save New or Modified II Code NEW/MOD SSR Mode S II Code	C
LONGITUDE 072 D 32 06 W Sector21 350 Sector10 100 Sector22 350	Search range 115 II Code Margin Start II Code search FF2 FF3 FF3 FF4 FF5 FF6 FF7 FF0 Searching Selected II code
SSR Mode S Interrogator Identifier (II) C.	ode list w