

Technical Data Sheet (Prepared 12 Feb 15)

The American Forces Radio and Television Service (AFRTS) is migrating to three satellites that will impact viewers in the Pacific region, as well as authorized viewers receiving AFN's three channel Direct to Sailor (DTS) signal on ships in the Atlantic and Pacific and at shore-based units in the Atlantic/Africa region that receive only get the DTS signal. The changes will not impact viewers in Europe or Southwest Asia unless they get DTS. While viewers will not experience a reduction in service, people impacted by the changes must repoint satellite dishes and change decoder settings from February 19-April 22. The site www.dishpointer.com can help

Here are the three satellites and their technical specifications:

1. SATELLITE CURRENTLY SERVING LAND-BASED UNITS FROM THE CENTRAL PACIFIC TO THAILAND VIA NSS-9 (C-Band).

CURRENT TECHNICAL SPECIFICATIONS:

NSS-9, 183° East
TR: EHR01/WHL01, 3644.1250
LHCP (A) L-Band/LO: 1505.875/5150 MHz
35.5 dBW EIRP (Hong Kong)
Network ID: 2
Symbol Rate: 28.0 MS/s
DTH Pacific Hop

MUST CHANGE TO IS-19 (C-Band) FROM 19 FEB-22 APR

NEW TECHNICAL SPECIFICATIONS:

IS-19, 166° East
TR:WH8C/WHCV/WHCH
Uplink: 6.085 GHz, VP
Downlink: 3.860 GHz, HP
L-Band/LO Freq: 1290/5150
42.9 dBW EIRP
Network ID: 14
Symbol Rate: 28.0 MS/s
New DTH Pacific Hop

2. SATELLITE CURRENTLY SERVING AMERICAN VIEWERS LIVING IN JAPAN, KOREA AND THE PHILLIPINES:

CURRENT TECHNICAL SPECIFICATIONS:

NSS-6, 95° East
TR: NEVC3/NEHC3, (A)
12.647 GHz, HP

L-Band/LO Freq: 2047/10.6

54.0 dBW EIRP

Network ID: 4 (Japan)

Symbol Rate: 28.0 MS/s

MUST CHANGE TO KSAT 5 (KU-BAND) (19 FEB-22 APR):

NEW TECHNICAL SPECIFICATIONS:

Korea-Sat 5, 113° East

TR: FSS21

Uplink: 14.418 GHz, HP

Downlink: 12.670 GHz, VP

L-Band/LO Freq: 2070/10.6

53.61 dBW EIRP

Network ID: 15

Symbol Rate: 28.0 MS/s

New DTH Pacific MAIN

3. SATELLITE CURRENTLY SERVING AS THE PRIMARY DIRECT TO SAILOR (DTS) SATELLITE FOR SHIPS AFLOAT IN THE ATLANTIC AND PACIFIC AS WELL AS SOME LAND-BASED UNITS FROM AFRICA TO SOUTH AMERICA.

CURRENT TECHNICAL SPECIFICATIONS:

SES-4, 338 ° East

TR: GLL9 LHCP

C-Band: 4115 MHz

L-Band: 1035 MHz

EIRP: 37 dBW

Network ID 6

Symbol Rate: 3.68 MS/s

Old DTS Atlantic (AOR)

MUST CHANGE TO IS-903 (C-Band) 19 FEB-22 APRIL)

NEW TECHNICAL SPECIFICATIONS:

IS-903, 34.5 ° West

TR: 87/87 RHCP/LHCP

Uplink: 6.360 GHz

Downlink: 4.135 GHz, LHCP

L-Band/LO Freq: 1015/5150

42.9 dBW EIRP

Network ID: 16

Symbol Rate: 3.68 MS/s

New DTS Atlantic (AOR)

/// END OF DOCUMENT ///