

Appendix A to Table CNS 2

VHF SERVICE AREAS

1. Air traffic control service

Air-ground communications for:	Symbol	Service**		Remarks
		Range	Height	
1	2	3	4	5
Aerodrome control service				
C generally	TWR	46 km (25 NM)	1 200 m/4 000 ft (above aerodrome)	
C surface movement control*	SMC	Limits of aerodrome	N/A	Assigned when operationally required
Approach control service for				
C all current operational level	APP-U	280 km (150 NM)	FL 450	
C traffic below FL 250	APP-I	140 km (75 NM)	FL 250	
C traffic below FL 120	APP-L	93 km (50 NM)	FL 120	
C traffic under radar surveillance*	APP/SR or APP/PAR	As per above, or area of radar coverage, whichever is smaller		Assigned when operationally required
Area control service				
C all current operational level	ACC-U	The whole control area or flight information region or sector within which a channel is used for area control service plus 93 km (50 NM)*	FL 450	May be achieved by communications from more than one facility
C traffic below FL 250	ACC-L	"	FL 250	
C traffic under radar surveillance*	ACC/SR	Same as above, or area of radar coverage, whichever is smaller		Assigned when operationally required

** AService range and height is used to mean the airspace within which the air-ground communications with an aeronautical station should normally be free from interference by air-ground communications conducted with another aeronautical station using the same frequency.

1.1 *Flight information service*

1.2.1 In line with Annex 11, air traffic control units provide flight information service to aircraft under their jurisdiction. This is generally done on the channels required for aerodrome, approach or area control service, with coverage criteria being obviously similar.

1.2.2 However, where:

- a) an area control centre (ACC) provides flight information service to non-controlled aircraft within the whole of a flight information region (FIR), and the channels required for the provision of area control service are not sufficient to accommodate the communications of the flight information service; or
- b) where an FIC is established for an FIR where no ACC exists,

the air-ground communications requirements for the provision of flight information service should be specified in a manner similar to that relevant to the communications for area control service, using the symbol AFIS@ instead of AACC@.

1.2.3 Where flight information broadcasts are to be provided, the channel requirements should be specified in a manner similar to that for area, approach or aerodrome control service, using the symbol AVOLMET@, AOFIS/HS@, AOFIS/VHF@ or AATIS@ as appropriate.

Appendix B to Table CNS 2

VHF FREQUENCY UTILIZATION PLAN

Function	Frequencies / Bands (MHz)			
TWR	118.000	118.025	118.050	118.075
	118.100	118.125	118.150	118.175
	118.200	118.225	118.250	118.275
	118.300	118.325	118.350	118.375
	118.400	118.425	118.450	118.475
	118.500	118.525	118.550	118.575
	118.600	118.625	118.650	118.675
	118.700	118.725	118.750	118.775
	118.800	118.825	118.850	118.875
	124.300	124.325	124.350	124.375
SMC	121.600	121.625	121.650	121.675
	121.700	121.725	121.750	121.775
	121.800	121.825	121.850	121.875
	121.900	121.925	121.950	121.975
APP-PAR	119.500	119.525	119.550	119.575
	119.600	119.625	119.650	119.675
	119.800	119.825	119.850	119.875
	119.900	119.925	119.950	119.975
APP-I, APP/DF-I,	119.000	119.025	119.050	119.075
	119.100	119.125	119.150	119.175
	119.200	119.225	119.250	119.275
	119.400	119.425	119.450	119.475
	119.700	119.725	119.750	119.775
	120.000	120.025	120.050	120.075
	120.200	120.225	120.250	120.275
	120.400	120.425	120.450	120.475
	120.600	120.625	120.650	120.675
	120.800	120.825	120.850	120.875
	121.000	121.025	121.050	121.075
	121.100	121.125	121.150	121.175
	121.200	121.225	121.250	121.275
	121.400			

APP/SR-I, FIS-I	123.800	123.825	123.850	123.875
	124.000	124.025	124.050	124.075
	124.700	124.725	124.750	124.775
	125.100	125.125	125.150	125.175
	125.500	125.525	125.550	125.575
	126.500	126.525	126.550	126.575
	127.700	127.725	127.750	127.775
	127.800	127.825	127.850	127.875
	127.900	127.925	127.950	127.975
APP-U	120.300	120.325	120.350	120.375
	121.300	121.325	121.350	121.375
	124.400	124.425	124.450	124.475
	124.600	124.625	124.650	124.675
	124.800	124.825	124.850	124.875
	124.900	124.925	124.950	124.975
	125.000	125.025	125.050	125.075
	125.100	125.125	125.150	125.175
	125.200	125.225	125.250	125.275
	125.300	125.325	125.350	125.375
	125.400	125.425	125.450	125.475
	125.500	125.525	125.550	125.575
	125.600	125.625	125.650	125.675
	125.700	125.725	125.750	125.775
	125.800	125.825	125.850	125.875
	125.900	125.925	125.950	125.975
	126.000	126.025	126.050	126.075
	126.100	126.125	126.150	126.175
	126.200	126.225	126.250	126.275
	126.300	126.325	126.350	126.375
ACC-I	126.100	126.125	126.150	126.175
	127.500	127.525	127.550	127.575
	128.300	128.325	128.350	128.375
	128.700	128.725	128.750	128.775
ACC-U	118.900	118.925	118.950	118.975
ACC-LU	119.300	119.325	119.350	119.375
	120.500	120.525	120.550	120.575
	120.700	120.725	120.750	120.775
	120.900	120.925	120.950	120.975
	123.700	123.725	123.750	123.775
	124.500	124.525	124.550	124.575
	125.300	125.325	125.350	125.375
	125.700	125.725	125.750	125.775
	125.900	125.925	125.950	125.975

	128.100	128.125	128.150	128.175
	132.100	132.125	132.150	132.175
	132.200	132.225	132.250	132.275
	132.300	132.325	132.350	132.375
	132.400	132.425	132.450	132.475
	132.500	132.525	132.550	132.575
	132.600	132.625	132.650	132.675
	132.700	132.725	132.750	132.775
	132.800	132.825	132.850	132.875
	132.900	132.925	132.950	132.975
	133.000	133.025	133.050	133.075
	133.100	133.125	133.150	133.175
	133.200	133.225	133.250	133.275
	133.300	133.325	133.350	133.375
	133.400	133.425	133.450	133.475
	133.500	133.525	133.550	133.575
	133.600	133.625	133.650	133.675
	133.700	133.725	133.750	133.775
	133.800	133.825	133.850	133.875
	133.900	133.925	133.950	133.975
	134.000	134.025	134.050	134.075
	134.100	134.125	134.150	134.175
	134.200	134.225	134.250	134.275
	134.300	134.325	134.350	134.375
	134.400	134.425	134.450	134.475
	134.500			
FIS-U (GP)	120.100	120.125	120.150	120.175
	123.900	123.925	123.950	123.975
	124.100	124.125	124.150	124.175
	124.900	124.925	124.950	124.975
	126.700	126.725	126.750	126.775
	126.900	126.925	126.950	126.975
	127.100	127.125	127.150	127.175
	127.300	127.325	127.350	127.375
	128.500	128.525	128.550	128.575
	134.600	134.625	134.650	134.675
	134.700	134.725	134.750	134.775
	134.800	134.825	134.850	134.875
	134.900	134.925	134.950	134.975
	135.000	135.025	135.050	135.075
	135.100	135.125	135.150	135.175
	135.200	135.225	135.250	135.275
	135.300	135.325	135.350	135.375
	135.400	135.425	135.450	135.475

	135.500	135.525	135.550	135.575
	135.600	135.625	135.650	135.675
	135.700	135.725	135.750	135.775
	135.800			
VOLMET / ATIS	126.000	126.025	126.050	126.075
	126.200	126.225	126.250	126.275
	126.400	126.425	126.450	126.475
	126.600	126.625	126.650	126.675
	126.800	126.825	126.850	126.875
	127.000	127.025	127.050	127.075
	127.200	127.225	127.250	127.275
	127.400	127.425	127.450	127.475
	127.600	127.625	127.650	127.675
	127.800	127.825	127.850	127.875
	128.000	128.025	128.050	128.075
	128.200	128.225	128.250	128.275
	128.400	128.425	128.450	128.475
	128.600	128.625	128.650	128.675
	128.700	128.725	128.750	128.775
	128.800			
OPERATIONAL CONTROL	128.825	128.850	128.875	128.900
	128.925			
	128.975	129.000	129.025	129.050
	129.075	129.100	129.125	129.150
	129.175	129.200	129.225	129.250
	129.275	129.300	129.325	129.350
	129.375	129.400	129.425	129.450
	129.475	129.500	129.525	129.550
	129.575	129.600	129.625	129.650
	129.675	129.700	129.725	129.750
	129.775	129.800	129.825	129.850
	129.875	129.900	129.925	129.950
	129.975	130.000	130.025	130.050
	130.075	130.100	130.125	130.150
	130.175	130.200	130.225	130.250
	130.275	130.300	130.325	130.350
	130.375	130.400	130.425	130.450
	130.475	130.500	130.525	130.550
	130.575	130.600	130.625	130.650
	130.675	130.700	130.725	130.750
	130.775	130.800	130.825	130.850
	130.875	130.900	130.925	130.950
	130.975	131.000	131.025	131.050
	131.075	131.100	131.125	131.150

	131.175	131.200	131.225	131.250
	131.275	131.300	131.325	131.350
	131.375	131.400	131.425	131.450
	131.475	131.500	131.525	131.550
	131.575	131.600	131.625	131.650
	131.675	131.700	131.725	131.750
	131.775	131.800	131.825	131.850
	131.875	131.900	131.925	131.950
	131.975	132.000	132.025	
AIR-TO-AIR	123.450 and 128.950			
DATA LINK	136.900	136.925	136.950	136.975
	137.000			
SPARE	136.000	136.025	136.050	136.075
	136.100	136.125	136.150	136.175
	136.200	136.225	136.250	136.275
	136.300	136.325	136.350	136.375
	136.400	136.425	136.450	136.475
	136.500	136.525	136.550	136.575
	136.600	136.625	136.650	136.675
	136.700	136.725	136.750	136.775
	136.800	136.825	136.850	136.875
	136.900			