

JSP 602 Instruction	1038	Applicability	Network/Communications
Configuration Identity	Version: 2.0 Amended: 2009-04-12 Reviewed: 2009-04-17	Epoch Applicability	2009 - 2011

JSP 602: 1038 – Radio Frequency Supportability, Radio Frequency Clearance and Radio Site Clearance.

The use of radio frequency Spectrum Dependant Systems¹ (SDS) by the MoD is controlled to ensure their use is safe and does not interfere with other SDS users. The approval process should start as soon as radio frequency information about the SDS becomes available and consists of three main parts, Radio Frequency Supportability, Radio Frequency Clearance (both UK and overseas) and Radio Site Clearance. The separate processes are shown in Fig 1 through Fig 4.

This JSP 602 leaflet shall apply to all MoD SDS, current, new and under consideration, and SDS used by visiting or stationed forces in the UK and applies to all environments Land, Maritime and Air.

¹ Radio frequency SDS include, but are not limited to, command, control, navigation, communications and information systems, information technology, intelligence gathering, surveillance, reconnaissance and targeting systems

Outline

Radio Frequency Supportability

Description: CIO-J6 is the responsible authority for administering the radio frequency supportability process.

Reasons for Implementation: The radio frequency supportability process is a required precursor for both radio frequency clearance requests for MoD SDS (UK and overseas) and for visiting or stationed forces radio frequency clearance requests for SDS in the UK. Conformance with this part of the policy will ensure that radio frequency clearance requests can be processed by the UK and Host Nations.

Issues: The sponsor should provide radio frequency information about the SDS as soon as it becomes available, ideally early in the CADMID process. Initial radio frequency information provided can be limited but will need to be comprehensive prior to Main Gate.

Guidance:

- ACP 190(C) - Guide to Spectrum management in Military Operations
- ACP 190 NATO Supplement 1(A) and Supplement 2
- ACP 194 - Policy for the Coordination of Military Radio Frequency Allocations & Assignments between Cooperating Nations

UK Radio Frequency Clearance

Description CIO-J6 is the responsible authority for approval of both temporary and permanent radio frequency clearances requests for SDS in the UK. Approval of the radio frequency clearance request results in a radio frequency assignment for the SDS.

Reasons for Implementation: SDS cannot be used in the UK without a valid radio frequency assignment. Conformance with this part of the policy will ensure as far as possible that harmful electro-magnetic interference is prevented and provide a radio frequency assignment database of SDS in the UK.

Issues: The sponsor should provide radio frequency information about the SDS as soon as it becomes available, ideally early in the CADMID process. Initial radio frequency information provided can be limited but will need to be comprehensive prior to Main Gate. CIO-J6 must be informed when permanent radio frequency assignments are no longer required.

Guidance:

- ACP 190(C) - Guide to Spectrum management in Military Operations.
- ACP 190 NATO Supplement 1(A) and Supplement 2.
- ACP 194 - Policy for the Coordination of Military Radio Frequency Allocations & Assignments between Cooperating Nations.
- JSP 600.

Overseas Radio Frequency Clearance

Description E3A Spectrum Management is the responsible authority for processing radio frequency clearances requests for SDS overseas with the relevant Host Nation authority. Approval of the radio frequency clearance request by the Host Nation authority is required before the SDS is used overseas.

Reasons for Implementation: MoD SDS cannot be used overseas without prior approval from the Host Nation. Conformance with this part of the policy will ensure as far as possible that harmful electro-magnetic interference is prevented in the Host Nation and provide a radio frequency assignment database of MoD SDS used overseas.

Issues: Radio frequency spectrum allocations vary by country or World region therefore freedom of use in the UK does not guarantee ability to use MoD SDS overseas. A minimum of 10 weeks should be allowed to obtain overseas radio frequency clearance.

Guidance:

- ITU Radio Regulations.
- Host Nation Frequency Allocation Tables.
- ACP 190(C) - Guide to Spectrum management in Military Operations.
- ACP 190 NATO Supplement 1(A) and Supplement 2.
- ACP 194 - Policy for the Coordination of Military Radio Frequency Allocations & Assignments between Cooperating Nations.
- JSP 600.

Radio Site Clearance

Description: ADATS IPT is the responsible authority for radio site clearance. This is the process by which all SDS which are to be installed on MoD estates, either permanently or on temporary deployment, are authorised for use at specific locations.

Reasons for Implementation: Conformance with this part of the policy will ensure as far as possible that harmful electro-magnetic interference is prevented, reduce the risk of people being harmed by ionising and non-ionising radiation, reduce the risk of Electro-Explosive Devices being detonated by radio frequency radiation, reduce the risk of fuel vapours or gases being ignited by radio frequency radiation, and will provide a central repository (MoD Register of Radio Sites) of information about MoD radio sites, their equipment and frequencies of operation.

Issues: The radio site clearance process deals with applications from within the MoD, from other Government Departments and commercial organisations when radio frequency systems are operated on MoD estate. A full technical evaluation is carried out to identify any hazards to personnel or MoD SDS.

Guidance:

- JSP 846 MOD Radio Site Clearance and Protection.

Policy

Strategic

<u>1038.01 – Radio Frequency Supportability</u>
--

1038.01.01 MoD SDS and visiting or stationed forces SDS in the UK shall have had radio frequency supportability prior to making a radio frequency clearance request. CIO-J6 is responsible for processing outgoing and incoming radio frequency supportability requests.

<u>1038.02 – UK Radio Frequency Clearance</u>
--

1038.02.01 SDS to be operated within the UK shall be authorised by a radio frequency assignment. Authorisation shall be obtained from the CIO-J6 Defence Spectrum Management. Cancellation of a radio frequency assignment shall be submitted to CIO-J6.

<u>1038.03 - Overseas Radio Frequency Clearance</u>
--

1038.03.01 SDS to be operated overseas shall require Host Nation authorisation. E3A Spectrum Management is the responsible authority for processing radio frequency clearances requests for SDS overseas with the relevant Host Nation authority.

1038.04 - Radio Site Clearance

1038.04.01 All SDS to be installed on MoD estate, either permanently or on temporary deployment, shall be authorised to be installed on MoD estates. Authorisation shall be obtained from the ADATS IPT.

- JSP 846 – MOD Radio Site Clearance and Protection – UK.

In addition to a radio frequency site clearance application being made to ADATS IPT, the installation of SDS equipment shall be noted in and in accordance with CIDA policy contained in:

- JSP 480 - Defence Co-ordinating Installation Design Authority Manual of Regulations for Installation of Communication and Information Systems.

Deployed

1038.05 – Radio Frequency Supportability

1038.05.01 Refer to 1038.01.

1038.06 - UK Radio Frequency Clearance

1038.06.01 For UK Deployment refer to 1038.02.

1038.07 - Overseas Radio Frequency Clearance

1038.07.01 For overseas Deployment refer to 1038.03.

1038.08 – Radio Site Clearance

1038.08.01 For UK Deployment refer to 1038.04. Command HQs are responsible for radio site clearance when deployed overseas and guidance can be sought from ADATS IPT.

Tactical

1038.09 – Radio Frequency Supportability

1038.09.01 Refer to 1038.01.

1038.10 - UK Radio Frequency Clearance

1038.10.01 For UK Tactical refer to 1038.02.

1038.11 - Overseas Radio Frequency Clearance

1038.11.01 For overseas Tactical refer to 1038.03.

1038.12 - Radio Site Clearance

1038.12.01 Not applicable.

Remote

Not applicable

Responsibility for Implementing the Policy

Radio Frequency Supportability

If you are involved with acquisition, installation, temporary deployment or modification of SDS, then you have responsibility to ensure a radio frequency supportability request is made prior to a request for radio frequency clearance. Visiting or stationed forces are also responsible for ensuring a radio frequency supportability request is made prior to a request for radio frequency clearance for their SDS in the UK.

Procedure

Requests for radio frequency supportability can be made by sending the [Supportability Form](#) to [CIO-J6](#).

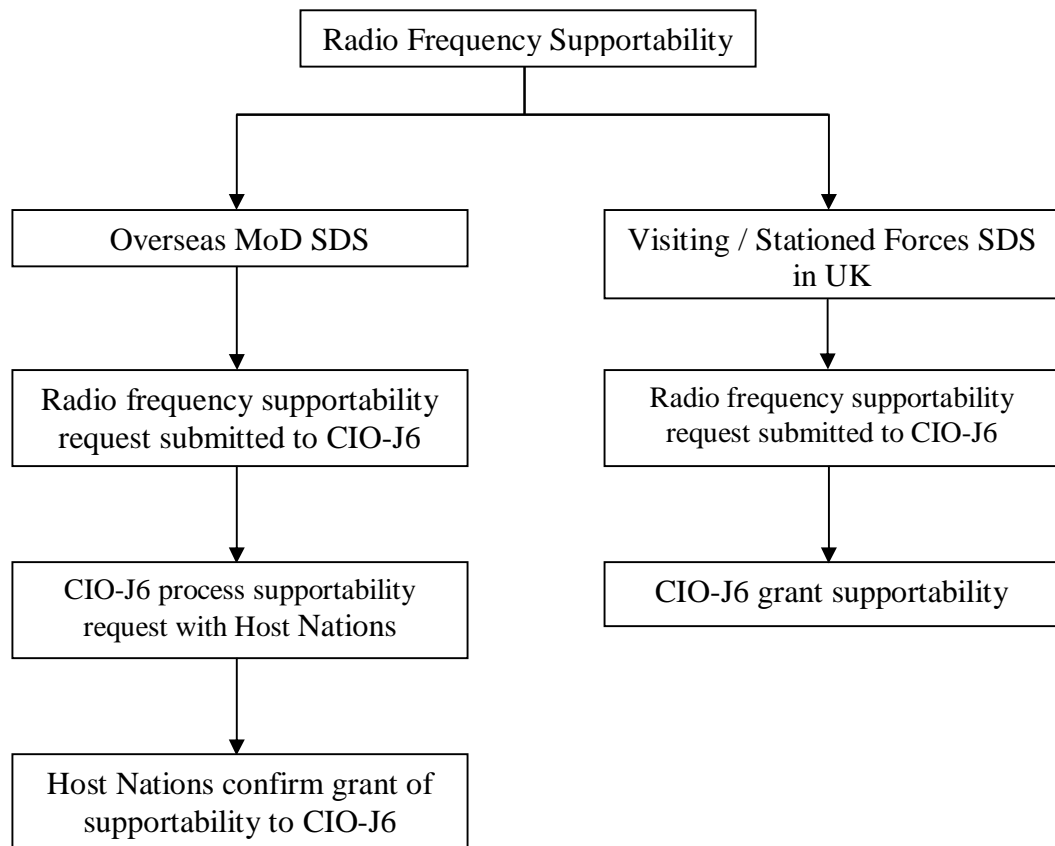


Fig 1 – Radio Frequency Supportability Process

Relevant Links

[Supportability Form](#)

UK Radio Frequency Clearance

If you are involved with acquisition, installation, temporary deployment or modification of SDS in the UK, then you have responsibility to ensure a radio frequency clearance request is made. Visiting or stationed forces are also responsible for ensuring that both radio frequency supportability has been requested, a radio frequency clearance request is made as soon as radio frequency information about the SDS becomes available, and a radio frequency assignment is authorised.

Procedure

Requests for radio frequency clearance can be made by sending the [DSM Form 2](#) to [CIO-J6](#).

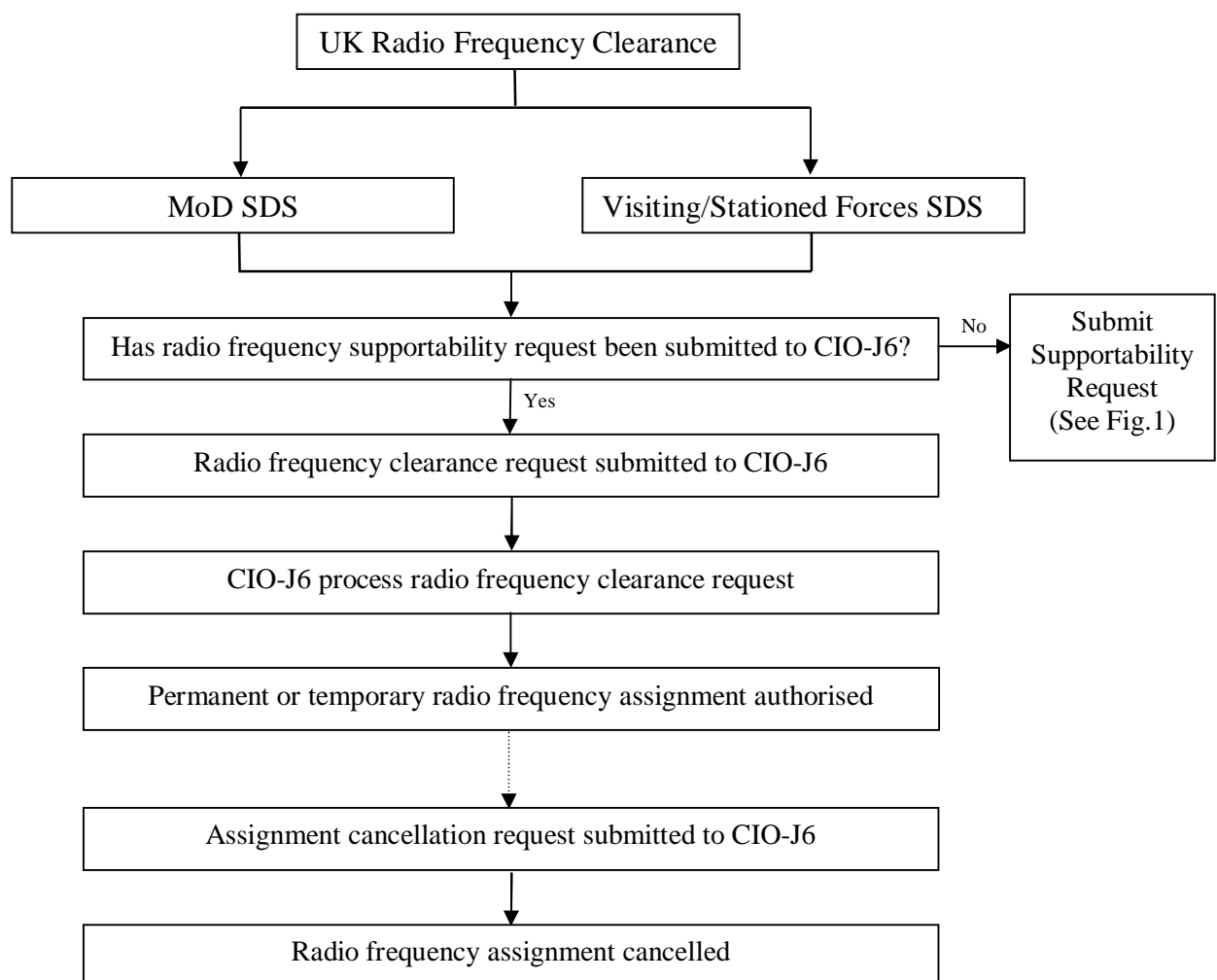


Fig 2 UK Radio Frequency Clearance process

Radio Frequency Assignment Cancellation

It is also imperative that CIO-J6 is informed when a permanent radio frequency assignment for a SDS is no longer required.

Relevant Links

[DSM Form 2](#)

Overseas Radio Frequency Clearance

If you require to operate SDS within Sovereign territory (including littoral waters) of a Host Nation for the purposes of a military Exercise or Operation, then you have a responsibility to ensure that overseas radio frequency clearance is obtained from the relevant Host Nation authority.

Procedure

Requests for overseas radio frequency clearance can be made by sending the [14 Point Message Request Form](#) to [E3A Spectrum Management](#).

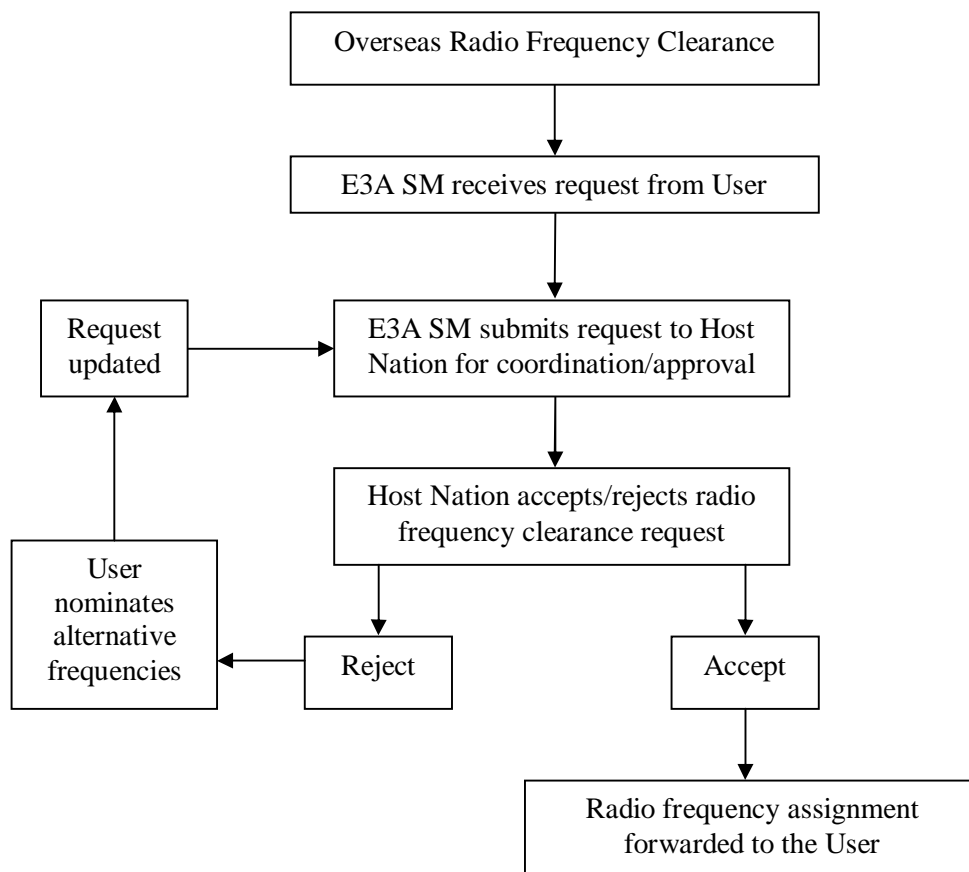


Fig 3 Overseas Radio Frequency Clearance process

Relevant Links

[14 Point Message Request Form](#)

Radio Site Clearance

If you are involved in the acquisition, installation, temporary deployment or modification of SDS on MoD estate then you have responsibility to ensure radio site clearance is obtained.

Procedure

Requests for radio site clearance can be made by downloading ADATS IPT Form 468 from the [ADATS IPT website](#).

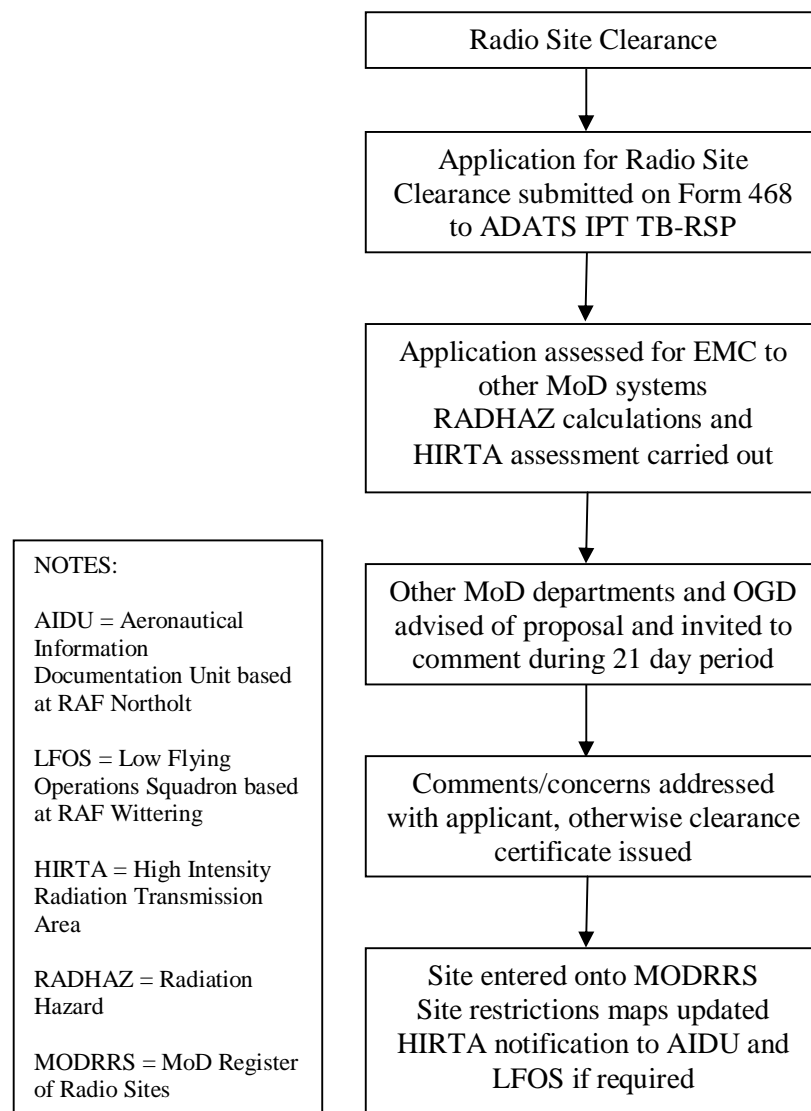


Fig 4 Radio Site Clearance process

Relevant Links

[ADATS Radio Site Clearance Application Form 468](#)

[JSP 846](#) - MOD Radio site Clearance and Protection.

[JSP 480](#)- Defence CIDA Manual of Regulations for Installation of Communications & Information Systems.

Relevant Documents

- ACP 190(C) - Guide to Spectrum management in Military Operations
- ACP 190 NATO Supplement 1(A) and Supplement 2
- ACP 194 - Policy for the Coordination of Military Radio Frequency Allocations & Assignments between Cooperating Nations
- ITU Radio Regulations.
- Host Nation Frequency Allocation Tables.
- JSP 600.
- JSP 846 MOD Radio Site Clearance and Protection.
- JSP 480 Defence CIDA Manual of Regulations for Installation of Communications & Information Systems.

Compliance

Stage	Compliance Requirements
Initial Gate/DP1	IPTs responsible for acquisition, installation, temporary deployment or modification of SDS shall submit a formal declaration that they have read and understood the policy and sought guidance from the SME(s).
Main Gate/DP2	IPTs responsible for acquisition, installation, temporary deployment or modification of SDS shall reference in their SRD the specific policy elements contained within this leaflet that are applicable to the system, equipment or application they are procuring or updating.
Release Authority/DP5	IPTs responsible for acquisition, installation, temporary deployment or modification of SDS shall provide evidence of their compliance with the elements of this policy defined within the SRD.