JGRCL16SOP
2024
V.1.0

Ministry of Defence
Hellenic National Defence
General Staff

Joint Data Link
Management and
Interoperability Cell
GREECE

Joint GRC Link 16

Standard Operating Procedures

within ATHINAI FIR/HELLAS UIR

EDITION 2024

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Joint GRC Link 16
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within ATHINAI FIR/HELLAS UIR

LETTER OF PROMULGATION

This JTIDS / MIDS Link-16 SOP is a National Publication which applies to Link 16 activities within ATHINAI FIR/HELLAS UIR, effective since August 28th 2024 and supersedes any other document or directive on this subject.

Athens 28 Aug 24

by order of

Lt Gen Konstantinos Zolotas
Chief of Staff

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RECORD OF CHANGES

No	Date	Subject of change / amendment
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		

REFERENCES

	Description/Title
A	ADatP-33 (Multilink SOP)*
B	SHAPE JTIDS/MIDS Activity Planning, Coordination and Reporting Instruction Ch.1
C	APP-11 (NATO Message Catalogue)*
D	GRC Frequency Clearance Agreement for Link 16 Operations within ATHINAI FIR/HELLAS UIR/08 Mar 2024/HNDGS/C Branch
E	EUROPEAN Link16 CROSS-BORDER COORDINATION STANDARD OPERATING PROCEDURES Ver 4.0
F	ACP 190 NATO SUPP-1(A)
G	Common Frequency Clearance Criteria Issue 3, dated 30 Oct 2012

*in each current promulgated version

ABBREVIATION LIST

ARNS	Aeronautical Radionavigation Service
CTO	Clearance To Operate
CTR	Clearance To Radiate
DLMC	Data Link Management Cell
ECM	Electronic Counters Measures
EJCC	Europe JTIDS/MIDS Cross Border Coordination
EPF	EMC Protection Features
FCA	Frequency Clearance Agreement
FIR	Flight Information Region
FSR	Frequency Supportability Request
GRC	Greece
HAF	Hellenic Air Force
HNDGS	Hellenic National Defence General Staff
IAW	In Accordance With
ICAO	International Civil Aviation Organization
IDL	Initialization Data Load
IEJU	Initial Entry JTIDS Unit
IERs	Information Exchange Requirements
IJMS	Interim JTIDS/MIDS Message Specifications
ITU	International Telecommunication Union
IPF	Interference Protection Features
JAR	JDITS/MIDS Activity Report
JFAR	JTIDS/MIDS Forecast Activity Report
JGRCL16SOP	Joint Greece Link 16 Standard Operating Procedures
JCM	JDITS/MIDS Coordination Message
JTIDS	Joint Tactical Information Distribution System
JU	JTIDS/MIDS Unit
MIDS	Multifunctional Information Distribution System
NAEW&C F	NATO Airborne Early Warning and Control Force

NARFA	National Allied Radio Frequency Agency
NLT	Not Later Than
JDLMIC	Joint Data Link Management and Interoperability Cell
NNDF	National Network Design Facility
NS WAN	NATO Secret Wide Area Network
NTR	Net Time Reference
NPG	Network Participation Group
OPTASK LINK	Operational Tasking for Tactical Data Links
OTL	OPTASK LINK
POC	Point of Contact
SOP	Standard Operating Procedures
TBP	To Be Published
TDLs	Tactical Data Links
TDMA	Time Division Multiple Access
TSDF	Time Slot Duty Factor
UIR	Upper information Region
ULC	Unit Link 16 Coordinator

1. General

1.1. Introduction

The Joint Tactical Information Distribution System (JTIDS) and Multifunctional Information Distribution System (MIDS) are high capacity, ECM – resistant digital communication systems providing secure information exchange and secure voice functionalities. The use of this system commonly referred as Link 16, is becoming increasingly common inside ATHINAI Flight Information Region /HELLAS Upper Information Region (ATHINAI FIR/HELLAS UIR). Therefore, while the National Organization is being modified to apply the National Joint Data Link Management and Interoperability Cell (JDLMIC GRC) concept, the need arises for a national SOP to regulate the increasing JTIDS/MIDS activities within ATHINAI FIR/HELLAS UIR. This SOP is in line with the Hellenic National Defence General Staff's (HNDGS) Publications on TDLs Implementation and Management and takes into account for standardization purposes, the relevant NATO and international documents regarding JTIDS/MIDS operations listed as references.

The Joint Greece Link 16 Standard Operating Procedures (JGRCL16SOP) document is to be considered as the standard reference document of Greece for JTIDS/MIDS users and those responsible for the planning and execution of Link 16 operations within the ATHINAI FIR/HELLAS UIR.

1.2. Objective

The objective of this SOP is to set the guidelines and procedures for planning, coordination and execution of all JTIDS/MIDS activities within the ATHINAI FIR/HELLAS UIR. This SOP addresses the coordination and management activities that must be undertaken to ensure that JTIDS/MIDS network operations within ATHINAI FIR/HELLAS UIR, are conducted in accordance with all relevant regulations in a safe and efficient manner. This document does not include SOPs developed to guide any tactical employment of JTIDS/MIDS. This SOP is to be used in conjunction with the GRC National Appendix to Annex A of the Allied Data Publication, ADatP-33 and the other documents listed as references.

1.3. Applicability

This document applies to all JTIDS/MIDS activities by National and/or Guest platforms within the GRC's Area of Responsibility (AoR), which corresponds to ATHINAI FIR/HELLAS UIR, iaw Ref. "D".

1.4. JTIDS/MIDS - Link 16 Definition

JTIDS/MIDS refers to and describes all use of Tactical Data Links with the Time Division Multiple Access (TDMA) feature, which is characterized by the pseudo-random use of 51 carrier frequencies within the band 960 to 1215 MHz. Terms JTIDS/MIDS and Link 16 are considered interchangeable.

1.5. Review and Amendment

This document is managed by the JDLMIC GRC. Amendments will be issued at any time whenever deemed necessary.

1.6. Conventions

The following terminology conventions are used throughout this document:

- "**Is/are to**" or "**must**" indicates a mandatory procedure that is essential to proper operations.
- "**Shall/Should**" indicates a recommended procedure to be used unless the operational situation dictates otherwise.
- "**May**" either indicates an operational or alternative procedure to be considered or an optional capability that is not necessarily implemented in all units.
- "**Can**" indicates a capability available for use, if implemented.
- "**Will**" is generally used descriptively for information purposes.

2. THE JDLMIC GRC

2.1. Introduction

The JDLMIC GRC is the responsible authority for designing, planning, coordinating, monitoring, managing and directing all JTIDS/MIDS operations within the ATHINAI FIR/HELLAS UIR. All JTIDS/MIDS units or forces operating in the ATHINAI FIR/HELLAS UIR must fully comply with the ref. “D” as well as ref “B”, “E” guidelines. Failure to adhere to this SOP could result in harmful interference with other systems. Therefore JTIDS/MIDS operations within the ATHINAI FIR/HELLAS UIR which do not comply with this SOP will not be approved. The JDLMIC GRC internal processes are beyond the scope of this document.

The JDLMIC GRC is able to support the implementation and integration of Link 16 on (new) platforms. The JDLMIC GRC also supports the use of JTIDS/MIDS for testing and provides assistance in the planning and execution phase. When the planning process starts for a test case, it is highly recommended to request assistance from the JDLMIC GRC. The JDLMIC GRC also acts as Tactical Data Link knowledge center.

2.2. Mission Statement

To ensure that Link 16 does not cause more than tolerable interference the follow mechanisms are in place:

The first mechanism is to actively monitor, based on best effort, for all Link 16 activities within ATHINAI FIR/HELLAS UIR.

The second mechanism is the procedural monitoring of Link 16 activities within ATHINAI FIR/HELLAS UIR.

Execution of both mechanisms is tasked to the JDLMIC GRC. The JDLMIC GRC is the (sole) authority to authorize or to decline operational usage of Link 16 within ATHINAI FIR/HELLAS UIR. Link 16 operations shall be in accordance with the restrictions/conditions of the GRC FCA (ref. “D”).

The JDLMIC GRC will also, by order of the Chief of National Defence General Staff, support Link 16 operations of GRC Armed Forces within any operational theatre anywhere in the world.

2.3. Contact Details

Joint Data Link Management and Interoperability Cell GREECE (JDLMIC GRC)
Address: HNDGS/A'Branch/JDLMIC GRC, 227-231 Mesogeion Avenue, PC 15451, Cholargos
NCN: 460 1157
Tel: +30 210 657 1157, +30 210 657 1113
E-mail: jdlmic@hndgs.mil.gr
NSWAN E-mail: geetha-airdef@mod.grc.nato.int

Hellenic National Radio Frequency Agency (NARFA GRC)
Address: HNDGS/NARFA GRC, 227-231 Mesogeion Avenue, PC 15451, Cholargos
Tel: +30 210 657 3541
NCN:460 3541
E-mail: narfa.gr@hndgs.mil.gr
NSWAN E-mail Alias: hndgs-c5-4@mod.grc.nato.int

Hellenic Air Force Data Link Management Cell (HAF DLMC) – National Network Design Facility (NNDF)
Address: Iroon Politechnioy and Agias corner, P.C 41001, Larissa
Tel: +30 2410 51 1451-2-3-4
E-mail: dlmc.htaf@haf.gr
NSWAN E-mail Alias: haf-a4-5c@mod.grc.nato.int
RI: RKQPCAA/HTAF LARISSA GRC (NOTE: "FOR HTAF LARISSA GRC PLEASE PASS TO HAF DLMC")

Hellenic Army (SIGNALS DIRECTORATE)
Address: 227-231 Mesogeion Avenue, PC 15451, Cholargos
Tel: +30 210 655 5867 - 5779
FAX: +30 210 645 0460
E-mail: str-ges-ddv@army.gr

Hellenic Navy Data Link Management Cell (HN DLMC)
Address: 1 Anatolikis Mesogeiou, PC 15342, Agia Paraskevi
Tel: +30 210 606 4363, +30 210 606 4333
FAX: +30 210 608 1069
E-mail: as_kepix@navy.mil.gr
NSWAN E-mail Alias: GRC MOD HNGS HELFLEET HQ MOC OPS DIR Siganos I, OF-3

3. ATHINAI FIR/HELLAS UIR JTIDS/MIDS PROCEDURES

3.1. Introduction

This chapter describes the procedures that all platforms have to follow in order to operate JTIDS/MIDS within ATHINAI FIR/HELLAS UIR. It consists of three stages:

- Planning
- Execution
- Reporting

3.2. Planning

It is strongly recommended to request assistance from the JDLMIC GRC in the earliest stage of the planning process possible.

3.2.1. JTIDS/MIDS Planning and COORDINATION Principles

3.2.1.1. JTIDS/MIDS Coordination Message (JCM)

In order to prevent unintended interference with air navigation equipment and to remain within the limits of the GRC FCA, JTIDS/MIDS activities must be carefully coordinated on a permanent basis amongst all affected national and multinational military organizations and neighboring nations.

To facilitate this coordination, each national DLMC, responsible for coordination of all Link 16 operations within their own national FIR, is to submit to GRC JDLMIC, a JTIDS/MIDS Coordination Message (JCM) in order to provide information on the intended use of its JTIDS/MIDS terminal. A JCM must reflect all planned, but not coordinated Link 16 activities within the cross border coordination area (par 3.2.1.3). GRC JDLMIC will use this information to coordinate all JTIDS/MIDS activities within ATHINAI FIR/HELLAS UIR with the activities of the neighbouring nations.

Based on the fluidity during operations, daily training and exercises, the publication of a JTIDS/MIDS Forecast Activity Report (JFAR) for the fore coming week does not constitute the end of the coordination process. Short term changes are also to be submitted as JCM changes, which will then, after approval, result in the appropriate JFAR/OTL changes.

3.2.1.2. Mid and Short Term Coordination

Detailed information about planned JTIDS/MIDS activities is to be received by GRC JDLMIC by means of a JCM, according to the following deadlines before the initiation of the activity.

- 4-weeks, for large scale, sensitive and/or high priority activities.
- 2-weeks, for lower priority (8 and below, iaw priority list in page 19) activities.

- Wednesday 12:00Z of the foregoing week, for routine activities executed in accordance with current OTL.

Failure to comply with these deadlines may imply cancellation or restriction of the requested activity.

The above referred JCM must be in accordance with Annex D.

3.2.1.3. Cross Border Coordination

With the proliferation of Link 16 activity across Europe and around the world, it is necessary to communicate the levels of Link 16 activity each nation has planned to enable a process of cross border coordination to take place. The methods of achieving cross border coordination are defined in SHAPE JTIDS/MIDS Activity Planning, Coordination and Reporting Instruction Ch.1 (ref. “B”) and in EJCC Cross Border Coordination SOP (ref. “E”).

The JDLMIC GRC shall employ Cross Border Coordination.

Operations within neighbouring FIRs close to the FIR boundaries accumulate to the geographical TSDF of ATHINAI FIR/HELLAS UIR. In order to ensure that JTIDS/MIDS activities do not exceed GRC FCA’s limits, coordination of Link 16 operations between neighbouring nations is required.

Whenever there are JTIDS/MIDS operations conducted within the Coordination Area (100NM outwards ATHINAI FIR/HELLAS UIR) (Figure 1), JDLMIC GRC, should be informed accordingly via JCMs, thus the planning process shall be able to adhere technically to GRC FCA’s constraints (ref. “D”).

CO - ORDINATION AREA GREECE
ROMANIA
BOSNIA & HERZEGOVINA
CROATIA
SERBIA
MONTENEGRO
BULGARIA
VATICAN CITY
ITALY
FYROM
ALBANIA
GREECE
TURKEY
MALTA
SYRIA
CYPRUS
LEBANON
ISRAEL
LIBYA
EGYPT
Legend
FIR Greece
Coordination Area Greece
1:8,000,000
0 30 60 120 180 240 300
Nautical Miles
Produced by J2-GeoSpatial SHAPE
Based on data from DAFIF 0701

Figure 1

3.2.1.4. JTIDS/MIDS Forecast Activity Report (JFAR)

JDLMIC GRC, generates the JFAR, which shall be disseminated on Friday of the week prior to the activity. The JFAR issued by JDLMIC GRC constitutes the coordinated and consolidated JTIDS/MIDS activity plan within ATH FIR/HELLAS UIR.

Due to very short term changes, that may occur in aviation, the produced JFAR may be subjected to updates. This eventual JFAR update will normally be conducted the day prior to the activity and shall utilize the JFAR format in such a manner that it is annotated as a change.

Changes are to be sent as complete messages replacing the originals, because of the implementation of the individual systems lacks features to annotate the changes.

3.2.1.5. OPTASK Link (OTL)

The JDLMIC's JFAR in its latest update is the sole foundation for the respective authorities to generate a Link 16 Segment of an OTL/OTL Change. An OTL with a valid Link 16 segment is normally not distributed before promulgation of the JFAR. If an OTL has been distributed before the JFAR (or JFAR change), JDLMIC GRC has to ensure that this OTL is consistent with the relevant JFAR.

All other Single Link Segments of an OTL (e.g. Link 11), are out of the scope of the JFAR.

JDLMIC GRC has the authority to delegate the responsibility to issue an OTL after close coordination to the respective DLMCs of the Hellenic Air Force, Navy and Army or other applicable force or unit with such capability**.**

3.2.2. JTIDS/MIDS Activities Clearances

Each unit or force [normally the Link 16 Coordinator (ULC)], willing to conduct Link 16 activities within ATHINAI FIR/HELLAS UIR, shall go through the following items:

3.2.2.1. Clearance To Radiate (CTR)

The procedure for CTR to be granted is the following:

- Four weeks prior to the activity, unit or forces should check if there is a valid CTR for its associated platform(s). If not, a CTR request should be submitted to the NARFA GRC according to the Annex A.

- The outcome of NARFA GRC process is forwarded to the requesting party (unit of forces) in due course. Provided the CTR is granted, the unit or force is cleared to operate its platform(s) under the conditions mentioned in the reply.

- CTR should have been granted no later than seven days (7) prior to the activity week. Short notice requests are exceptionally addressed on a case by case basis.

- Without CTR, the associated JTIDS/MIDS operation **is prohibited**.

3.2.2.2. Clearance To Operate Request (CTOR)

The CTOR is also known as Link 16 Operating request **(JOR)**. The procedure is the following:

- The requesting unit, force, service, national or NATO DLM/DLMC submit a **CTOR** form (Annex B) to JDLMIC GRC as soon as possible, but:
  - For a standard daily training mission NLT Thursday 12:00Z in the week prior to the planned activity.
  - For a non-standard (non-daily) operation/exercise NLT four weeks prior to the planned activity.
  - If specific, non-standard Information Exchange Requirements (IERs) are applicable, it has to be indicated in the **CTOR**.
- JDLMIC GRC will check:
  - If the mission can be executed in accordance with national Frequency Clearance Agreement (FCA).
  - If CTR is given for the platforms.
  - The network needed for the operation/exercise.
  - Network Dependant Parameters (e.g. Crypto, Network Time, Functionary Roles, IDSET, Mission/Fighter Channel, etc).

In case of a conflict in supporting JTIDS/MIDS operations, the following priority list prevails:

Priority 1: Operational support for NATO and/or National tasks in times of crisis, or in a HOSTILE environment where peacetime restrictions are extant.

Priority 2: QRA operations.

Priority 3: Operational work-up training for specific operations.

Priority 4: Contractor or military trials.

Priority 5: NATO-sponsored exercises.

Priority 6: International exercises.

Priority 7: National exercise/large-scale training events.

Priority 8: Unit-level Combat Ready work-up training.

Priority 9: Joint and/or combined routine JTIDS/MIDS operations or training.

Priority 10: Unit-level routine JTIDS/MIDS operations or training.

Priority 11: Routine ground testing or servicing.

- If all criteria be met JDLMIC GRC will issue Clearance To Operate (CTO) for the unit, which shall receive any related information via e-mail, verbally or planning sheet. The activity shall be included in the JFAR, thus OTL (Link 16 Segment) for the activity will be promulgated accordingly by the tasking authority.

- The unit will check if it holds:

  - The correct crypto key.

  - Validated Initialization Data Load (IDL) of the Link-16 Network that will be used in the operation/exercise. Dissemination of IDLs is a national responsibility for national and foreign networks. A validated IDL means that the IDL must be accepted by the platform without errors.

  - Valid CTR seven days prior to the activity; otherwise JTIDS/MIDS Operations will not be authorized. Without CTR the platform is not cleared to operate.

  - Valid CTO five days prior to the activity; CTO is not a tasking; it is clearance to operate JTIDS/MIDS Operations in a certain area.

The clearance to operate JTIDS/MIDS for every JU in the ATHINAI FIR/HELLAS UIR is **exclusively** granted with the distribution of an **OPTASK Link** from the responsible tasking Authority. Without a **JFAR** from the JDLMIC GRC containing the activity and an OPTASK Link (Link 16 Segment IAW JFAR) of the responsible tasking Authority the use of JTIDS/MIDS is **prohibited**.

For any exceptions from this procedure, CTO may be granted only by JDLMIC GRC on a case by case basis.

3.2.2.3. JTIDS/MIDS Network Design Clearance

The clearance for the use of a Network is granted by JDLMIC GRC. Forces should send the Network Description Document (NDD), *.inde and *.jdb (JNDA users only) files of their network at least four (4) weeks prior to the planned activity to the GRC National Network Design Facility (NNDF). After a technical analysis of the appropriate documentation GRC NDF shall verify whether the specific network design meets the technical requirements of the GRC FCA or not and the clearance will be granted accordingly.

3.2.2.4. JTIDS/MIDS Network Design Request

In case there is no appropriate Network Design (ND) in the Network Library (NL) available to meet the criteria of a specific exercise/operation, guest units or forces may submit a JTIDS/MIDS Network Design Request to the JDLMIC. JDLMIC will check its own NL if there is available an appropriate ND. If not, the GRC Network Design Facility shall be tasked to create a network which meets the criteria mentioned in the ND request form (Annex C). Network designs need to be tested and validated before use. Therefore, such requests must be

submitted at least three months before the exercise/operation so that there is enough time for testing and validation.

3.2.2.5. Use of Time Offset

The use of Time Offset is an additional means of deconfliction in the ATHINAI FIR/HELLAS UIR. The following prerequisites are applicable for using Time-Offset within the ATHINAI FIR/HELLAS UIR.

- The reference time is always ZULU.
- No maximum Time Offset, Standard Time Offset and Time Offset steps are defined.

Note: On account of the relation between Crypto key, Time and JTIDS/MIDS terminal it is important to avoid a double use of a Crypto Key by any platform. If a platform has used a Time Offset and intends to change to a network with the same Crypto Key, the platform must wait the full relative Time Offset before being allowed to enter the other network (e.g. if the Time Offset was plus one hour, the platform has to wait one hour). Due to these reasons the amount of Time Offset should be limited to the minimum possible.

3.3. Execution

Each unit or force has to execute JTIDS/MIDS operations in accordance with the references “A” and “D”.

In case of a change in the planning of the JTIDS/MIDS operation/exercise the JDLMIC GRC has to be informed as soon as possible.

3.4. Reporting

Units or forces operating JTIDS/MIDS within ATHINAI FIR/HELLAS UIR have to report their activities by utilizing the following reports:

3.4.1. JTIDS/MIDS Activity Report (JAR)

All JUs are to submit a JTIDS/MIDS Activity Report (JAR) addressed to GRC JDLMIC and other applicable national or NATO AOCs and DLMCs within the next 24 hours on completion of their JTIDS/MIDS activity whether a link was established or not. Each JTIDS/MIDS unit (JU) should keep record of every JTIDS/MIDS radiation and store this information for a minimum of a year. The information types of Link 16 activity records that shall be maintained are listed in paragraph 3.4 of Ref D.

3.4.2. Combined Link Activity Report (CLAR)

Combined Link Activity Reports (CLARs) are to be send by each individual Link 11/Link 16 player shortly after their participation in the network. CLARs should be forwarded to JDLMIC GRC and other applicable national or NATO AOCs and DLMCs. Therefore if a unit or force is tasked, via OTL, to participate in both Link 11 and Link 16, will submit a CLAR instead of a JAR, whether a link was established or not.

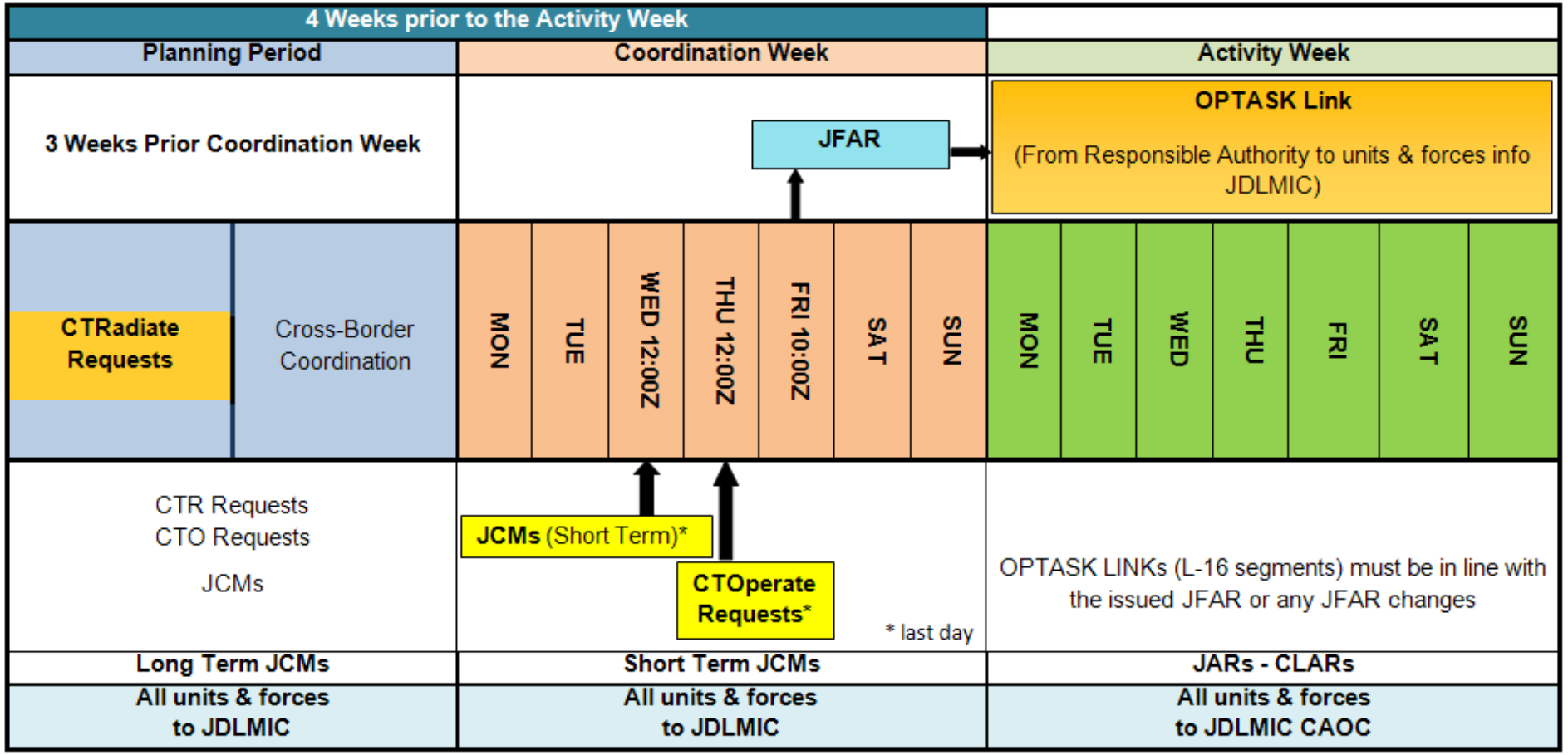
4 Weeks prior to the Activity Week
Planning Period
Coordination Week
Activity Week
3 Weeks Prior Coordination Week
JFAR
OPTASK Link
(From Responsible Authority to units & forces info JDLMIC)
CTRadiate Requests
Cross-Border Coordination
MON
TUE
WED 12:00Z
THU 12:00Z
FRI 10:00Z
SAT
SUN
MON
TUE
WED
THU
FRI
SAT
SUN
CTR Requests
CTO Requests
JCMs
JCMs (Short Term)*
CTOperate Requests*
* last day
OPTASK LINKs (L-16 segments) must be in line with the issued JFAR or any JFAR changes
Long Term JCMs
Short Term JCMs
JARs - CLARs
All units & forces to JDLMIC
All units & forces to JDLMIC
All units & forces to JDLMIC CAOC

Table 1

4. Coordination and Reporting Messages Formatting

Format and content of CTR request, CTO request, JCM, JFAR, JAR and CLAR have been adopted from publication at reference “B” (“E” for non NATO/EU nations) and other relevant publications and apply for requesting, coordinating and reporting JTIDS/MIDS activities within ATHINAI FIR/HELLAS UIR. The format of each message is described in the following Annexes.

ANNEX A - Clearance To Radiate Request (CTR) Form

The Clearance to Radiate Request Form should contain at least the following items:

Clearance to Radiate Request Form
To: NARFA GRC **Info: JDLMIC GRC**
1. Requester Information: Identify name & address of requesting agency, appointment of responsible personnel point of contact, operational authority.
2. Assigned Frequency
3. Period of Use
4. Range and Height
5. Transmitter Location (Lat and Long Positions)
6. Receiver Location (if different from transmitter location)
7. Geographic Area of Operation
8. Class of Station/Service/Function Code
9. Power Output
10. Type of Aerial
11. Date of Activity
12. Operating Schedule
13. Type of Operation
14. Justification Reason for request Net Number Power Level IPF Features Maximum TSDF
15. Operating Coordinating Authority

ANNEX B - Clearance To Operate Request Form (or JOR)

The Clearance to Operate Request Form should contain the following items:

FROM: Requester Information (Identify name & address of requesting agency, appointment of responsible personnel point of contact, operational authority).
TO: JDLMIC GRC
INFO: HAF DLMC

DATE	PERIOD (Z)	TYPE OF ACTIVITY	UNIT	PLATFORM (NUMBER-TYPE)	CALLSIGN	AREA	NETWORK	ID SET	POWER	OTHER REQUESTS

E X A M P L E

DATE	PERIOD (Z)	TYPE OF ACTIVITY	UNIT	PLATFORM (NUMBER-TYPE)	CALLSIGN	AREA	NETWORK	ID SET	POWER	OTHER REQUESTS
02-04-24	0700-0900	EX INIOCHOS	333SQ	4xF-16	VEGAS	25A	GRFU0005B	16	200	J-VOICE REQUIRED
02-04-24	1100-1300	EX INIOCHOS	333SQ	4xF-16	VEGAS	29A	GRFU0005B	16	200	J-VOICE REQUIRED
03-04-24	0800-1100	EX INIOCHOS	473SQ	2xRAFALE	OPTIMUS	25A	GRFU0005B	17	200	J-VOICE REQUIRED
04-04-24	0900-1200	OPER LETUS	390SQ	1xE2C	EYES	TBD	GRFP0014A	01	200	SURV OPT 1 SQ 1 REQUIRED

Notice: Any information that is unknown by the requester at the time of the request, it should be filled with "TBD".

ANNEX C - Network Design Request Form

Network Design Request Form
To: JDLMIC GRC **Info: HAF DLMC**
1. Requester Information: Identify name & address of requesting agency, point of contact, operational authority, date network required and agency (or agencies) to whom network should be sent.
2. Planned Utilization: Provide brief description of the objective of the network, particularly in terms of the types of mission the network is required to support. E.g. “The network will support Exercise XXXXX. It will allow interoperability training among airborne and land-based air defence units.”
3. Participant List: Define number and type of participants. E.g. “25 total participants, comprising 2 x UK E-3D, NAEW E-3A, USAF E-3B, 16 x Tornado F3s, 5 x IJMS Ground Sites.”
4. Connectivity Requirements: Specify data exchange requirements by functional area (including expected track/target reporting load), relay requirements, voice requirements, free text requirements, data forwarding requirements. E.g. “The network will support Link 16 (Precise Participant Location and Identification (PPLI), Surveillance, Information Management, Mission Management/Weapons Coordination and Management) and IJMS. Relay is desired for all ground unit transmissions. Total surveillance capacity = 250 tracks. Voice A 2.4 kbps coded; Voice B 16 kbps uncoded.”
5. Operating Restrictions: Identify any deconfliction considerations, frequency clearance restrictions in force. E.g. “The network is designed to operate concurrently with the assignments for Southern Norway, Denmark and Central Europe on Nets 2, 3 & 4. EMC Exercise Override will be authorised.”
6. Crypto Partitioning Requirements: Define crypto connectivity requirements if network is to operate in Partitioned Variable Mode.
7. Force Disposition: Describe geographic or relative location and force disposition (preferably by diagram).

ANNEX D - JTIDS/MIDS Coordination Message (JCM) and JTIDS/MIDS Forecast Activity Report (JFAR)

/1/EXER/ EXERCISE IDENTIFICATION /ENTER THE EXERCISE NAME. IF USED THE SET “OPER” MUST NOT BE USED

/2/OPER/ OPERATION CODEWORD /ENTER THE OPERATION NAME. THE USE OF THIS SET IS ONLY AUTHORISED, IF SET "EXER" IS NOT USED

/3/MSGID/MESSAGE IDENTIFIER /ENTRY OF FIELD MAY ONLY BE EITHER "JCM" OR "JFAR", SERIAL NUMBER AND MONTH NAME ARE MANDATORY.

/4/REF/ REFERENCE/ ENTER IDENTIFYING DETAILS REGARDING A DOCUMENT, IMAGE OR OTHER INFORMATION EXCHANGE MEDIA THAT IS APPLICABLE TO THE CONTENT OF THIS MESSAGE. THIS SET MAY BE REPEATED.

/5/POC/ POINT OF CONTACT/ ENTER THE POINT OF CONTACT INFORMATION THAT SHOULD BE USED TO ADDRESS THE ORIGINATOR OF THE MESSAGE.

/6/PERIOD/PERIOD OF TIME/ ENTER THE TIME PERIOD TO WHICH THE INFORMATION OF THE MESSAGE RELATES

/7/JACT/MIDS/JTIDS ACTIVITY/ENTER EITHER "YES" OR "NO" TO INDICATE THAT MIDS/JTIDS ACTIVITY IS PLANNED TO TAKE PLACE DURING THE DEFINED PERIOD.

/8/ACTDAY/ DAY OF ACTIVITY/ ENTER THE NAME OF THE DAY TO WHICH THE FOLLWING MIDS/JTIDS ACTIVITY INFORMATION PERTAINS..

[DAILY MIDS/JTIDS ACTIVITY DETAILS SEGMENT] THIS SEGMENT IDENTIFIES THE DAILY MIDS/JTIDS ACTIVITIY DETAILS AND MUST ONLY BE USED, IF FIELD 1 OF SET"JACT" CONTAINS "YES"

/9/JNETINFO/ MIDS/JTIDS NETWORK DETAILS/ SPECIFIES THE DETAILS FOR THE MIDS/JTIDS NETWORK TO BE USED

[MIDS/JTIDS DETAILS SEGMENT] /THIS SEGMENT SPECIFIES THE DETAILS OF FORCES PARTICIPATING IN THE MIDS/JTIDS NETWORK

/10/PARTFORC/ PARICIPATING FORCES/ SPECIFIES THE PARTICIPANTS AND THEIR OPERATING DETAILS WITHIN THE SPECIFIED MIDS/JTIDS NETWORK APPLICABLE FOR THE AREA AS DEFINED IN SET “AREA”, “JPOINT”, OR “JTRACK”.

/11/AREA TSDF/ AREA TIME SLOT DUTY FACTOR SPECIFIES THE TSDF FOR A SPECIFIC AREA WITHOUT SPECIFYING PLATFORM

INFORMATION AND MUST ONLYOCCUR, IF SET "PARTFORCE" DOES NOT OCCUR IN EACH OCCURANCE OF THIS SEGMENT.

/12/AREA/ AREA DEFINITION/ ENTER THE GEOGRAPHIC AREA WITHIN WHICH THE MIDS/JTIDS NETWORK PARTICIPANT WILL OPERATE THE MIDS/JTIDS TERMINAL DURING THE TIME INDICATED IN SET “PARTFORC” OR FOR WHICH THE VALUES OF SET “AREATSDF’ ARE APPLICABLE.

/13/JPOINT/ POINT DEFINITION DESCRIBES THE GEOGRAPHIC POINT AT WHICH THE PARTICIPANT WILL OPERATE THE MIDS/JTIDS TERMINAL. THIS SET MUST BE USED ONLY IF SET “PARTFORC” OCCURS AND IF SETS “AREA” OR “JTRACK” DO NOT OCCUR.

/14/JTRACK/ TRACK DEFINITION DESCRIBES THE TRACK WHICH A PARTICIPANT WILL OPERATE THE MIDS/JTIDS TERMINAL. THIS SET MUST BE USED ONLY, IF SET “PARTFORC” OCCURS AND IF SETS “AREA” OR SET “JPOINT” DO NOT OCCUR.

[[END OF SEGMENT MIDS/JTIDS DETAILS SEGMENT]]

[END OF SEGMENT NETWORK BASED ACTIVITY DETAILS SEGMENT]

/15/GENTEXT/ DAILY SUMMARY PROVIDES AMPLIFYING INFORMATION FOR THE ANTICIPATED MIDS/ JTIDS ACTIVITES FOR THE SPECIFIC DAY

[END OF SEGMENT DAILY MIDS/JTIDS ACTIVITY DETAILS SEGMENT]

ANNEX E - JTIDS/MIDS Activity Report (JAR)

/1/EXER/ EXERCISE IDENTIFICATION /ENTER THE EXERCISE NAME. IF USED THE SET “OPER” MUST NOT BE USED

/2/OPER/ OPERATION CODEWORD /ENTER THE OPERATION NAME. THE USE OF THIS SET IS ONLY AUTHORISED, IF SET "EXER" IS NOT USED

/3/MSGID/MESSAGE IDENTIFIER/ENTRY OF FIELD MAY ONLY BE "JAR"/UNIT//

/4/REF/ REFERENCE/ ENTER IDENTIFYING DETAILS REGARDING A DOCUMENT, IMAGE OR OTHER INFORMATION EXCHANGE MEDIA THAT IS APPLICABLE TO THE CONTENT OF THIS MESSAGE. THIS SET MAY BE REPEATED //

/5/POC/ POINT OF CONTACT/ ENTER THE POINT OF CONTACT INFORMATION THAT SHOULD BE USED TO ADDRESS THE ORIGINATOR OF THE MESSAGE//

/6/PERIOD/PERIOD OF TIME/ ENTER THE TIME PERIOD TO WHICH THE INFORMATION OF THE MESSAGE RELATES//

/7/JUNITDAT/CALLSIGN/JU PLATFORM TYPE/ALTITUDE//

/8/AREA/AREA DEFINITION /DESCRIBES THE GEOGRAPHIC AREA WITHIN WHICH THE MIDS/JTIDS NETWORK PARTICIPANT OPERATED THE MIDS/JTIDS TERMINAL OR COORDINATES //

/9/AREA/JPOINT/POINT DEFINITION /DESCRIBES THE GEOGRAPHIC POINT AT WHICH THE PARTICIPANT OPERATED THE MIDS/JTIDS TERMINAL OR COORDINATES. THIS SET MUST BE USED ONLY IF SETS "AREA"OR "JTRACK" DO NOT OCCUR //

/10/JTRACK/TRACK DEFINITION/DESCRIBES THE TRACK WHICH A PARTICIPANT WILL OPERATE THE MIDS/JTIDS TERMINAL/ NAME OF AIRWAY OR COORDINATES//

/11/JNETDAT/NETWORK IDENTIFIER /INITIALISATION DATA SET NUMBER/START TIME / STOP TIME//

/12/JNTRDAT/SPECIFIES THE TIME PERIOD IN WHICH THE REPORTING MIDS/JTIDS PLATFORM/UNIT ACTED AS NET TIME REFERENCE UNIT/ START TIME /STOP TIME //

/13/SYNC/ENTER THE JTIDS/MIDS NUMBER OF THE UNIT WITH WHICH MIDS/JTIDS SYNCHRONISATION WAS ACHIEVED /START TIME /STOP TIME /UNIT CALLSIGN//

/14/GENTEXT/ANY OTHER INFORMATION//

ANNEX F - Combined Link Activity Report (CLAR)

/1/MSGID/MESSAGE TEXT FORMAT IDENTIFIER/ ORIGINATOR/./ QUALIFIER/ MESSAGE SECURITY CLASSIFICATION (CONFIDENTIAL WHEN FILLED IN WITH PU/JU DATA)/ MESSAGE SECURITY CLARIFICATION//

/2/DCNINFO/FREQUENCY DESIGNATOR/DAY TIME START/DAY TIME STOP/OTHER UNIT NAME//

/3/LINK 11 DATA INFO/ FREQUENCY DESIGNATOR/ DAY TIME START/ DAY TIME STOP/ OTHER UNIT NAME//

/4/JUNITDAT/CALL SIGN/JU/ALTITUDE//

/5/LINK 16 DATA INFO/DAY TIME START/ DAY TIME STOP/ OTHER UNIT NAME/ JU//

/6/JNETDATA/NETWORK IDENTIFIER/INITIALISATION DATA SET NUMBER /START DAY TIME /END DAY TIME//

/7/AREA/AREA NAME//

/8/VOICETELL/DAY TIME START/DAY TIME STOP/UNIT NAME//

/9/GENTEXT/CONDUCT OF TDL OPERATIONS/PROVIDES OVERALL IMPRESSION OF THE CONDUCT OF TACTICAL DATA LINK (TDL) OPERATIONS. HERE YOU MAY ADD ANY COMMENTS IN FREE TEXT OF AN UNLIMITED NUMBER OF CHARACTERS THAT IS REQUIRED TO EXPLAIN THE OVERALL LINKEX OPERATION. PLEASE INCLUDE WHAT WORKED, WHAT DID NOT WORK, AND RECOMMENDATIONS//