



**INTEGRATED AIR & MISSILE DEFENCE  
CENTRE OF EXCELLENCE**

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**To:** See Distribution

**SUBJECT: IAMD COE POW 2021 Periodic Progress Report 1-21**

**REFERENCES:** A.IAMD COE POW 21 –Revision 1 (File Ref: IAMD COE/NU.131/14 Apr 21)

**1. Exercises :**

PoW No	Customer	Project Name	Start Date	End Date	Project Information and Progress
39,40,41	JWC (RFS 20# 116,117,118)	Steadfast Jupiter 2021 (STJU 21)	14 Jun 21	28 Oct 21	<p>STJU 21 is the main SHAPE Exercise for the year 2021 and concerns the training of the NRF forces of the Alliance. IAMD CoE will participate with SMEs in the following Exercise activities, which will take place at the Joint Warfare Centre (JWC) in Norway:</p> <p>a. Participation of one (1) SME in the MEL-MIL Incident Development Workshop (IDW) from 14 to 18 Jun 21.</p> <p>b. Participation of two (2) SMEs in the MEL-MIL Scripting Workshop from 5 to 16 Jul 21.</p> <p>c. Participation of two (2) SMEs in the conduct of the Exercise (Phase III B) from 19 to 28 Oct 21.</p>

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53	NATO ACO AIRCOM (Invitation Letter by AC)	Ramstein Legacy 2022 (RALY 22)	23 Feb 21	TBD	<p>RALY 22 is planned to be the main AIRCOM Live Exercise (LIVEX) in the field of Integrated Air and Missile Defence and IAMD CoE is considered by AIRCOM as a main stakeholder in the design and conduct of the Exercise. It has received high priority from SHAPE and its capacity will be equivalent to RAMSTEIN AMBITION (RAAM) and STEADFAST JUPITER (STJU). Participation of the Centre in the activities of the Exercise, as follows:</p> <p>a. The IAMD CoE participated through VTC in the Concept Development Conference (CDC), held at AIRCOM on 23 &amp; 24 February 21, with three (3) SMEs.</p> <p>b. The IAMD COE will participate with relevant SMEs in the IPC (09-10 June 21), MPC (09-11 Nov 21) meetings, which will be held in 2021, and FCC (22-24 Feb 22) which will be held in 2022.</p>
52	NATO ACO AIRCOM (Invitation Letter by AC)	Ramstein Ambition 2021 (RAAM 21)	19 Jan 21	14 May 21	<p>RAAM 21 is considered to be the main Exercise on paper (CPX) of AIRCOM. The IAMD CoE participates in the actions in the exercise as follows:</p> <p>a. Participation in the FCC, which was performed online via NS WAN from 19 to 20 Jan 21. Participation to the other programmed events of RAAM 21 (IDG &amp; AOPG) didn't take place because of Covid-19 Pandemic Restrictions, since those events conducted with non VTC capability. For the MEL/MIL event it was cleared by OPR's that participation will be limited to EXCON personnel only.</p> <p>b. Participation of up to two (2) SMEs in the conduct of the Exercise from 3 to 14 May 21 as mentors, is under consideration because of COVID-19 restrictions applied for entering Ramstein AB.</p>
55	EUCOM (Direct Request by USAFE)	Astral Knight 2021 (AK 21)	23 Feb 21	21 Apr 21	<p>The IAMD CoE participated with SMEs in the Defence Design WG of AK 21 which was held online at 16-17 Mar 21. Furthermore IAMD COE hosted the Commander's Conference during 20-21 Apr 21.</p>
5	DEU-NLD	Joint Project		Mar 21	IAMD CoE, in the context of cooperation with CC SBAMD,

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	(Self-Generated)	Optic Windmill 2021 (JPOW 21)			requested and finally was invited (email) to participate in the FCC of the Exercise during which it was decided by the organizers to conduct it remotely CPX, within 08-26 Mar 21, using both the JPOW field and also JFAC infrastructure of AIRCOM. Because of Covid-19 Pandemic movement restrictions (especially entering Ramstein AB), IAMD CoE couldn't attend and participate to any event of the JPOW21.
54	NCIA (Self-Generated)	Technical Interoperability Exercise (TIE 21)	9 Dec 20	25 Sep 21	<p>The aim of this exercise will be to test technical standards and architectures suitable for improving the interoperability between C-UAS systems and with existing capabilities such as Ground Based Air Defence (GBAD) systems. IAMD CoE has participated and plans to participate with SMEs in the following actions of the Exercise:</p> <ul style="list-style-type: none"> <li>a. Two (2) SMEs participated in the IPC on 9 and 10 Dec 20 via WEB.</li> <li>b. Plan to participate in FCC meetings at a time to be determined with newer ones.</li> <li>c. Participation of two (2) SMEs in the main phase of the Exercise, as observers, that will take place on 20-25 Sep 21 in De Peel, Netherlands.</li> </ul>
50	NAVAL STRIKING AND SUPPORT FORCES NATO [STRIKFORNATO (SFN)] (Invitation Letter by SFN)	Formidable Shield 21	21 Jun 21	22 Jun 21	IAMD CoE was invited by the Director of NAVAL STRIKING AND SUPPORT FORCES NATO [STRIKFORNATO (SFN)], to the DV-Day at Sea Demonstration / Exercise Formidable Shield 21 which will be held from 21 to 22 Jun 21 in Oeiras, Portugal. IAMD CoE intends to participate with the Director and one SME.
49	ACT (Invitation by HAFGS)	Coalition Warrior Interoperability Exercise (CWIX)	7 Jun 21	25 Jun 21	<p>The Exercise will take place between 7-25 Jun 21 at the JFTC (Joint Force Training Centre, Bydgoszcz, Poland) and online through a graded network (CFBL).</p> <p>The IAMD CoE participated online in the IPC (between 9-13 Nov</p>

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		21)			20) and the MPC (25-29 Jan 21) and will, after coordination-communication with the HAFGS/C4 that leads the GRC's capabilities participation, assess its participation in the execution of the exercise by sending SMEs.
58	United States Strategic Command / Joint Functional Component Command for Integrated Missile Defence (JFCC IMD) (Self-Generated)	Nimble Titan 20 Conflict Event	18 Apr 21	23 Apr 21	NIMBLE TITAN is a Missile Defence campaign of experimentation series in an Integrated Air and Missile Defence (IAMD) context set in a notional scenario 10 years in the future. It is the premier forum for developing experimental IAMD policy and military options among allies and partners to build regional and global deterrent and defensive effects across the missile defence enterprise primarily at the Ministry of Foreign Affairs and Ministry of Defence level. The NIMBLE TITAN (NT) 20 Conflict Event is the culminating event of the NT 20 multinational defence campaign of experimentation. The Conflict Event will be conducted over six days (Sun-Fri). It will feature a dynamic, continuous scenario focused on the NT 20 Objectives as mapped to the conflict event at the last Campaign Design Conference.
4	FN (Invitation by FN)	INIOCHOS 21	15 Dec 20	22 Apr 21	Participation to A&LL process with two (2) SMEs.

**2. Working Groups:**

PoW No	Customer	Project Name	Start Date	End Date	Project Information and Progress
15	AMDC (Self-Generated)	C-UAS WG 2020 – 2021	Jun 2019	-	Participation of SMEs of IAMD CoE in meetings with the members, discussing training and designing ways of dealing with UAS. In the WG participate designated SMEs of the Centre who attend the regular meetings / activities of the WG.
56	NAAG (Self-Generated)	NAAG JCG SBAMD 2020-2021	26 Oct 20	-	Participation of SMEs of IAMD CoE in order to define the modern requirements in the field of SBAMD while the possible contribution of the Centre in the revision of a doctrine related to IAMD is examined. A meeting of the WG in question was

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					attended by two (2) SMEs on 27 Oct 20. The JCG SBAMD accepted the Centre's intention to participate in the sub-groups "Command & Control Interoperability" and "Counter Emerging Air Threats Team of Experts". The participation of SMEs of IAMD CoE is permanent with regular meetings of the members. Next meeting is scheduled for 20-21 Apr 21.
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**3. Courses & Conferences:**

PoW No	Customer	Project Name	Start Date	End Date	Project Information and Progress
1	Self-Generated	M4-30 Resource Management Education Programme (RMEP) Course	1 Feb 21	5 Feb 21	Cancelled due to Covid-19. Participation of FINCON is planning to take place at "C" course 20-23 Sep 2021.
2	Self-Generated	M7-137 NATO Quality Assurance Course	22 Feb 21 & 15 Nov 21	26 Feb 21 & 19 Nov 21	Training in NSO M7-137 NATO Quality Assurance Course. "A" course (22-26 Feb 21) took place in DL and CoE participated with one (1) officer.
3	Self-Generated	M7-126 NATO eLearning Instructional Design Course	8 Feb 21 & 11 Oct 21	26 Feb 21 & 22 Oct 21	Training in NSO M7-126 NATO eLearning Instructional Design Course. "A" course (08-26 Feb 21) took place in DL and COE participated with one (1) officer.
7, 12	Self-Generated	M7-51 Concept Development and Experimentation Course	24 May 21 & 11 Oct 21	28 May 21 & 15 Oct 21	Training in NSO M7-51 Concept Development and Experimentation Course
9	Self-Generated	N3-134 Introduction to NATO Surface Based Air	13 Sep 21	17 Sep 21	Training in NSO N3-134 Introduction to NATO Surface Based Air Defence

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10	Self-Generated	N3-20 NATO Missile Defence Course	20 Sep 21	24 Sep 21	Training in NSO N3-20 NATO Missile Defence Course
11	Self-Generated	M5-34 NATO Legal Advisor Course	4 Oct 21	8 Oct 21	Training in NSO M5-34 NATO Legal Advisor Course
13	Self-Generated	XX-163 Lessons Learned Management Course	11 Oct 21	15 Oct 21	Training in NSO XX-163 Lessons Learned Management Course
14	Self-Generated	NATO Lessons Learned Staff Officer Course	TBD	TBD	Training in NATO Lessons Learned Staff Officer Course
16	Self-Generated	Standardization within NATO Course	TBD	TBD	Training in Standardization within NATO course
17	Self-Generated	M6-108 Network Security Course	TBD	TBD	Training in Standardization within NATO course
22	Self-Generated	Joint Air Defence Course	TBD	TBD	Cancelled due to Covid-19
23	NATO ACT CPD	Annual CoE's Directors Conference	27 Sep 21	1 Oct 21	Participation to the Annual CoE's Directors Conference
24	Self-Generated	Annual IAMD CoE meeting with JAPCC and AO CoE	TBD	TBD	Conference led by JAPCC on the future of air power (multi domain)
32	NATO	NATO CoE LEGADs Conference	17 Mar 21	18 Mar 21	IAMD CoE participated in NATO COE LEGAD Conference

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33	NATO	NATO CoE FINCONs Conference	TBD	TBD	Participation in NATO CoE FINCONs Conference
57	CZE UNIVERSITY OF DEFENCE	21st International Air Defence Conference	29 April 21	30 April 21	Participation in 21st International Air Defence Conference

**4. RFS Summary:**

PoW No	Customer	Project Name	Start Date	End Date	Status	Project Information and Progress
35	NWCC	NATO Warfighting Capstone Concept (19#156)	1 Jan 19	31 Dec 21	Accepted	IAMD CoE participates in order to Support NATO in Warfighting Capstone Concept.
36	NATO ACT	Support NATO COVID 19 LL Campaign (20#042)	20 Apr 21	31 Dec 21	Accepted	Support ACT efforts in regards to the NATO COVID 19 LL Campaign
19	NATO ACT	NATO Lessons Learned Conference Participation (RFS 20#044)	1 Jan 19	31 Dec 21	Accepted	IAMD CoE participated in the NATO LL conference in 2021. (16-18 Mar 21)
20	NATO ACT	NATO Lessons Learned Spring Week) (RFS 20#045)	Mar-May 21	Mar-May 21	Accepted	ACT LL Spring week in 2021 cancelled
21	NATO ACT	NATO Lessons Learned Fall Week)	Oct-Nov 21	Oct-Nov 21	Accepted	Participation of Lessons Learned SMEs of IAMD CoE in meetings and activities of the WG during the year 2021.

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		(RFS 20#046)				
26	NATO ACT CPD	Annual Conference in CD&E (RFS 21#006)	TBD	TBD	Accepted	Participation in Annual Conference in CD&E
37	NATO ACT JDLL	CoE Support to NATO LL Process (RFS 20#047)	1 Jan 19	31 Dec 21	Accepted	CoE LL is requested to analyse an issue within the realm of the CoEs specific area of expertise in order to develop an Analysis Report either in support of HQ SACT and JALLC or leading the study.
38	NATO JFC Naples J9	Partnership outreach Mobile Training Teams RFS 20#087)	1 Jan 19	31 Dec 21	Feasible	Training support to partner countries with MTT
42	NATO ACT/CAPDEV	AFSC i-CONOPS (RFS#123)	TBD	TBD	Accepted	AFCS iCONOPS development
43	SHAPE	SHAPE RFS to JOINTEVAL 2021 POW (RFS 20#142)	18 Jan 21	28 Oct 21	TBA	SHAPE SDP J7 is responsible for forming the JOINTEVAL Teams with EVAL SMEs from across all of NATO in order to evaluate designated HQs.
44	NATO ACT	Missile Deterrence and Defence Study (RFS 21#001)	18 Jan 21	31 Mar 21	Accepted	Participation in Missile Deterrence and Defence war gaming and Simulation Study
45	NATO ACT	ACT CPD Branch Coordination VTCs (RFS 21#005)	25 Jan 21	31 Dec 21	Accepted	ACT CPD Branch Coordination VTCs
46	NATO ACT CPD	Support to NATO Doctrine (21#007)	21 Jan 21	TBD	Accepted	Support to NATO doctrinal activities
47	NATO ACT CPD	CoE Support to Education and	1 Jan 21	TBD	Accepted	Support to the NATO requests for attending courses run by CoEs



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		Training activities (21#008)				
48	NATO ACT CPD	CoE Support to NATO in the Role of the Department Head (RFS 21#009)	1 Jan 21	TBD	Accepted	Requesting CoEs support to NATO in the Role of DH or as a DH supporter

**5. Marketing Plan**

PoW No	Customer	Project Name	Start Date	End Date	Project Information and Progress
6	Self-Generated	Defence Exhibition Athens	13 Jul 21	15 Jul 21	Visit to Defence Exhibition Athens
8	Self-Generated	Spring IAMD CoE Seminar	TBD	TBD	Organization of Seminar
25	NATO (Self-Generated)	Annual IAMD CoE conference	TBD	TBD	Organization of the Annual IAMD CoE conference.
28	Self-Generated	IAMD CoE Marketing Plan	TBD	TBD	Introduction of IAMD CoE Marketing Plan to ACT. The travelling details will be determined in accordance with Covid-19 restrictions.
29	Self-Generated	IAMD CoE Marketing Plan	TBD	TBD	Introduction of IAMD CoE Marketing Plan to NATO HG, ACO, NCIA, CASPOA. The travelling details will be determined in accordance with Covid-19 restrictions.
30	Self-Generated	IAMD CoE Marketing Plan	TBD	TBD	Introduction of IAMD CoE Marketing Plan to JAPCC. The travelling details will be determined in accordance with Covid-19 restrictions.
31	Self-Generated	IAMD CoE Marketing Plan	TBD	TBD	Introduction of IAMD CoE Marketing Plan to NATO Defence College. The travelling details will be determined in accordance with Covid-19 restrictions.

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34	Self-Generated	Fall IAMD CoE Seminar	TBD	TBD	Organization of a Fall IAMD CoE Seminar
51	US EUCOM 10TH AAMDC	2021 European Integrated Air and Missile Defence Forum	19 Jan 21	21 Jan 21	European Integrated Air and Missile Defence Forum has been postponed and the setting of new dates is pending.

**6. DIR's Statement/Summary :** This report provides a brief status on the execution of the IAMD COE POW 21. The COVID-19-Pandemic affects our current and upcoming events and staff work. For that reason, all upcoming dates and appointments mentioned in this report might be subject to short-noticed changes.

FOR THE IAMD COE:

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