

AGENDA – Air Forum on Battlespace Management – 12 June 2008

TARGET AUDIENCE

Ideally this forum should be as joint as possible. Therefore, the following organisations are being invited: SHAPE, JFC Brunssum, JFC Naples, Joint HQ Lisbon, CC Air Ramstein and Izmir, CC Land Heidelberg, CC Maritime Northwood, ARRC, GE/NL Corps, JALCC, JFTC, NC3A, JISR, ICDT, CAOCs, ACT/C4I, NAEWFC, E-3A Component, and C2COE.

0830 Opening remarks by Moderator, Air Commodore Garry Porter, JAPCC/ADC

Moderator's Role: Each presentation (around 30 min) will be followed by a discussion period (45 minutes to 1 hour). To allow for both an active and effective discussion, JAPCC Assistant Director Transformation (ADT), Air Commodore Garfield Porter, will moderate the forum to steer the interaction between briefers and the audience.

0840-1000 Presentation & discussion by Air Commodore Garry Porter, JAPCC/ADC

Topic 1: **BSM Defined**

Goal: Flush out, even if it is an organizational, personal perception, perspective, concept, the multi-level view of BSM. As in, it is important to have a frame of reference with this stage setting brief, using real world examples that define the BSM challenge to stimulate discussion. The presentation *may* try to depict the JFCs/strategic Air/Land/Maritime's view on BSM, its role in the planning process, and/or the operational and strategic challenges to effective BSM.

Questions & Discussion

- Is there a need to define BSM? Is it similar to Battle Management or is it subordinate or parallel to BM?
- What is the relationship between BSM and Command and Control?
- What are the Air challenges associated with BSM?
Typically an Airmen's view of the battlespace is much broader than that of his ground peer. Example: AWACS/CRC (Huge swath of battlespace: 275nm in each direction vs. ground Battalion (50km).
- What are examples of BSM activities? Direction? Planning? Tasking? Execution?
- Where and how (procedurally or integrated?) do we conduct BSM? Where should it take place?
- Could there be an impact of BSM on the basic principle of Air Power: Centralized Command and Decentralized Execution?
- What are the key elements/principles of BSM.
- How is the battlespace constructed? How do you set up battlespace? How does this lead to more effective mission execution.
- How do we (do we?) break through the Coordination Level to effect BSM down to ground level?
- Jointness: Coordination and Deconfliction of Joint Fires; i.e. Ground, Air, Surface, Sub-surface.
- BSM in different phases of an operation. I.e. Transition/Nation building operations very different than Decisive Combat Operations
- What doctrine exists that speaks to BSM?
- Discuss real world examples: (1) BSM in the static Europe/NATO environment; (2) BSM in Afghanistan.

1000 Coffee

**1020-1200 Presentation & Discussion 2 by Lieutenant Colonel Wolfgang Kluge
SHAPE J3, ACCS LOC1 PM:**

Topic 2: Operational Aspects of BSM

Goal: The second presentation should look at the need for Shared Situational Awareness and the necessity to develop a NATO Common Operating Picture. The discussion focuses on the operational aspects of BSM. It also zooms in on the service specific requirements for SSA, standardisation of the identification process, friendly force tracking, segregated/procedural use of airspace amongst the services, separation/deconfliction issues, air planning, and the collection, management and distribution of information.

Questions & Discussion

- Air Tasking Order (ATO) / Airspace Control Order (ACO) / Airspace Control Plan (ACP)
 - Is the ATO irrelevant when conducting BSM? Does it contribute to effective BSM? Does it provide the greatest flexibility when supporting COIN ops?
 - Does/should the ACO/ACP/BSM allow above and below Coordination Level activity/integration/control?
 - How do we support the ground commander/Troops in Contact effectively?
- Organization and Training to BSM activities / Force Development?
 - Training. Are we trained or how WILL we train to execute BSM with our systems?
- Shared Situational Awareness depends upon agreed upon standards. What/whose standards?
- Interoperability standards. Is there a baseline for BSM systems?
- What is the impact of national caveats and the releasability of the information required to effectively contribute to a NCOP and conduct BSM?
- Does the E-3A Nato Midterm Update (NMT) conduct BSM? If so, are there established TTPs for working at the Tactical level and supporting the CAOC/CJOC?
- How do joint SSA requirements affect BSM? And what are the Joint SSA requirements? How can the separate Land/Sea/Air requirements contribute to a SSA environment?
 - What capabilities, either single-service or joint do not exist today that inhibits our ability to conduct BSM? Datalinks? INEX systems? FFT systems, (Joint) Intelligence targeting Organisation (EG JTST)?, incomplete NCOP? Lack of Space Assets/data?
- With non-military players, how do military assets conduct effective BSM? What is the impact of non-military players on BSM?
- UAS Integration. Does the management and integration of UAS's affect BSM?

1200 Lunch

**1300 – 1430 Presentation and Discussion 3 by Dr Alain Houllès Integrated Programme
Team Leader, Joint Battle Management C2&Missile defence NC3A :**

Topic: Means to accomplish effective BSM

Goal: This final presentation would offer an insightful look at such things as BI-SC AIS Air C2IS programme, ACCS, E-3A, and the follow-on discussion would look at how the preceding issues are being dealt with by the respective Programme Offices.

Questions & Discussion

- Is ACCS capable right now or will it be in near time of contributing to effective BSM? If yes, what kind of capabilities does ACCS provide for BSM? If not then what does ACCS need/require?

- Bi-SC Air C2IS will provide for an operational/strategic level command and control capability. How will the implementation of this system affect the ability to conduct BSM at all levels, and does it include the Tactical Level?
- What is the impact of national caveats and the releasability of the information required to effectively contribute to a NCOP and conduct BSM? (Applicable to 2 and 3)
 - Need exists to define the joint requirements for a NCOP? Joint perspective is needed/required. I.e. Joint TST demands that all assets are looking at the battlespace and receiving the same information. Another example is that an Airborne C2 asset may be able to see for example assets which have FFT but there is no guarantee that surface forces see/view the air assets that could affect his future engagement.
- How do we train as we fight? Do we have the right tools to conduct effective BSM both in garrison and while deployed?
- System Procurement. Does the procurement process meet our needs?
- Collaboration/Collaborative. Are we able with the systems we have in place or will have in place the ability to collaborate in a timely manner? Which systems provide this capability? Joint utility?

1430 Coffee

1445 – 1530 Moderator review & wrap-up of day, way ahead and final Q&A.

- What is the way ahead?
- Where do we need to go?
- Future Meetings?
- Applicability to Conference?