EC08 Daily Report
21 Jul 08

Australia – DIGO

Location: DIGO in Canberra, Australia
POC(s): Jeff Frazier / Mitch Honeysett

- o Personnel: 8 personnel with no issues to report
- o Activities:
    - ▪ Summary of Planned Activities:
        - • Monitor KG-250 progress to Australia
        - • SOCET and CGS training
    - ▪ Significant Issue: No KG-250; expected to be operational Tuesday 22 Jul 08

Canadian Army – Task Force Victory

Location: ECR
POC(s): Major Keith Laughton

- o Personnel: 42 personnel with no issues to report
- o Activities:
    - ▪ Summary of Planned Activities:
        - • All sensors deployed
        - • Imagery recovered from Coyote and TSK
- o Imagery Products:
    - ▪ Products Collected: Still imagery from TSK and Coyote
- o Summary:
    - ▪ Successes:
        - • CFE link established, but there is still work to be done with regards to email and CSD interface
        - • In exercise play, warning about possible IED passed to TF Lancer successfully
    - ▪ Lesson Learned: Working on improving naming convention / TTP to synch images with contact reports sent over vox
    - ▪ Where Help is Needed:
        - • Some CFE support still required
        - • Require assistance bringing down COP via GCCS interface

DCGS 10.2 – U-2 & Global Hawk – DIB Federation

Location: Langley AFB, DGS-X
POC(s): Chris Hadley

- o Personnel: 4 personnel with no issues to report

- o Activities:
  - ▪ Summary of Planned Activities:
    - • Support DIB federation across the DDTE enterprise
    - • Function as a TPED node for U-2 and Global Hawk missions
    - • Test DCGS 10.2 ingest capabilities of other available imagery from additional platforms during EC08
  - ▪ Significant Issues: DIB Federation is only partially complete; continue to work through compatibility issues with the different DIB versions spread amongst the DDTE nodes
- o Imagery Collected: NITF and MPG data from successfully federated DIB nodes

DCGS-N

Location: DCGS-N Integration and Development Lab, SPAWAR System Center, Charleston, SC
POC(s): T.K. Quigley

- o Personnel: 6 personnel with no issues to report
  - ▪ JITC observers have returned to Ft Huachuca, AZ and plan on returning to Charleston next week for PDM III testing on 31 July / 1 August
- o Activities:
  - ▪ Summary of Planned Activities:
    - • Continue conducting search, discovery, and retrieval of data using DIBs accessed through other DCGS portals
    - • Continue preparations for PDM III testing
  - ▪ Significant Issue:
    - • Working to complete preparations for PDM III testing
    - • Working to connect Co-host IPL to DEN
- o Summary:
  - ▪ Successes:
    - • We were able to search our DIB MDC from our NCES aggregator
      - o This positions us to execute our inbound NCES search test with the GSIL
      - o We have scheduled for Wednesday to begin this integration, as they have a VIP demo tomorrow
    - • Conducted additional searches using query capabilities of DCGS-A V3.0

DHMO / DIA HUMINT Team – MIV-G

Location: Michelson Labs
POC(s): John Grant / Matt Leclaire / Bert Newton

- o Personnel: 3 personnel with no issues to report
- o Activities:
  - ▪ Summary of Planned Events:
    - • Access PRISM HUMINT module
    - • Update MIV-G data on CFE
    - • Continue to make access to MIV-G data on CFE, COI & DDTE available to all on those networks
    - • Coordinate with SensorWeb to replicate the configuration of CFE to view MIV-G data on the COI and DDTE networks through SensorWeb
- o Summary:
  - ▪ Successes:
    - • Successfully updated MIV-G data on CFE
    - • Continued to make access to MIV-G data on CFE available
    - • Coordinated with SensorWeb to replicate the configuration of CFE to view MIV-G data on the COI and DDTE networks through SensorWeb
      - o Should have configuration issue worked to satisfaction in the next couple days
    - • Successfully included MIV-G data in the GoogleEarth COP during operations today to allow the viewing of MIV-G data in relation to locations of Blue Force Tracker icons on GoogleEarth on CFE

- Lesson Learned: SensorWeb understands the CFE configuration which allows the utilization of MIV-G data on that network and think that it can be replicated on the COI and DDTE through SensorWeb

DTRA / Targeting P-ISR and Agent Logic

Location: Michelson Labs (Rooms 136 and 409), China Lake / WMD Response Cell, Joint Intelligence Lab, Suffolk, VA
POC(s): Evan Madsen (Targeting P-ISR) / Dave Pyle (JIL WMD Response Cell) / Bill Boylan (Agent Logic)

- Personnel: 3 personnel at China Lake and 4 personnel in Suffolk with no issues to report
- Activities:
  - Summary of Planned Activities: Targeting P-ISR (China Lake)
    - Developing WMD Time Sensitive Targeting (TST) CONOP to be demonstrated during MDA scenario execution
    - Arranged for configuration of JADOCS systems by JADOCS (China Lake) and DTRA JIL personnel to allow point-to-point communications
    - Sourced Concept CAR 5 GoogleEarth DDTE server information for JIL WMD Response Cell to help develop WMD products and disseminate them
    - DTRA will participate actively in the MDA ground events on 23 and 29 Jul
- Summary:
  - Successes: Targeting P-ISR (Suffolk)
    - Met with local GEOINT cell team members to coordinate access to maps and imagery for use in the Integrated Weapons of Mass Destruction Toolset (IWMDT)
    - Successfully tested the overlay of the MDA ground scenario on the Blue Grass dataset and use of the persistent surveillance, wide field of view, APIX viewer to run near-real-time consequence of execution analysis for WMD-related time sensitive targeting
    - Continuing evaluation of ability to pass and integrate WMD hazard prediction products (e.g. graphics, shapefiles, KML files) with COP systems (C2PC, FalconView, GoogleEarth, etc.)
    - Visited the Topographic Production Capability (TPC) cell located in the JSIC to determine whether their GIS products could be used in IWMDT
    - Discovered ESRI data products available on DDTE and coordinated with GEO production group in Reston for use in their map services in IWMDT
    - Connected to Concept CAR 5 GoogleEarth server on DDTE, and will use that capability as risk reduction if we cannot get GIS products directly accessible in IWMDT
- Additional Comment: Adam Edleman (Agent Logic) due at Suffolk 22 Jul

GBS – CFBLNet – Project Diamond

Location: JARIC and Digby
POC(s): Andy McAleer / Flt Lt Neil Towers

- Personnel: 16 personnel with no issues to report
- Activities:
  - Summary of Planned Activities:
    - IA Team fine-tuned SOPs to follow during live ops; working on updating product "templates" from EC07 – awaiting tasking update from TMs
    - Had historic feed fed via GBS which was used for capture to confirm SOP product "templates"
    - WO2 Kevin Conner replaced WO2 John Holmes for remainder of EC08
    - Work up towards VIP visits in JARIC 23/24 Jul 08 with continued work up tomorrow and run through of presentations
    - Awaiting further tasking with the hope of live feed starting
  - Significant Issue:
    - JARIC UPS failed over the weekend
    - IPL failed completely; rebuilt by Steve Etheridge and in process of testing IPL
- Summary:
  - Success: IPL back up and being tested; original estimate had been IPL would not be up until tomorrow

JBAIIC

Location: Echo Range, NSWC China Lake, Ridgecrest, CA
POC(s): Charley Hart

- o Personnel: 25 personnel with no issues to report
- o Activities:
  - ▪ Summary of Planned Activities:
    - Provision of the JMSM/TOC-generated Common Tactical Picture (CTP) to a JTAC vehicle on the move in the field – this dynamic CTP will include:
      - o JTAC vehicle position
      - o Convoy vehicle positions
      - o Scan Eagle UAS position
      - o Sensor point of interest (SPOI)
      - o F/A-18 link tracks
      - o AT-FLIR SPOI
      - o OPFOR positions based on ShotSpotter acoustic gunshot detections
    - Will host JTC-I Commander, COL Mehle, at UAV Hangar, Echo Range
  - ▪ Significant Issue: Scan Eagle continues to troubleshoot pitch-over moment problems that caused two aircraft to crash immediately after departing the launcher
    - Tests with a newly arrived (20 July) second SuperWedge launcher have recreated but not solved the issue
    - Boeing/Insitu engineers in Bingen, Washington are reviewing telemetry data from both successful and unsuccessful launches to determine the cause of the 1.5 radian/second pitch-over and to devise a solution
    - Boeing personnel met with the NSWC China Lake Chief Test Pilot, CDR Mark Thomas, to review the issue and inform our hosts
- o Imagery Products:
  - ▪ Products Collected: Blue Force Tracking data and ShotSpotter-generated gunshot acoustics-based OPFOR locations
- o Summary:
  - ▪ Successes:
    - Again absent the Scan Eagle UAS, and with recurring RHSG outages, JBAIIC's morning and afternoon activity revolved around supporting the Convoy Commander, using a PR-117F to pass a limited CTP to the vehicle
      - o The CTP (on COI) included Blue Force Tracking data and ShotSpotter-generated OPFOR locations
    - Tippers provided by the UK Sentinel R1/ASTOR Ground Surveillance Aircraft LNO were passed via CoT Chat and voice comms
      - o The JMSM/TOC also tasked the TigerShark UAS (OGC Pilot) via direct intercom with the UAS Pilot
    - With a PRC-117F now configured to allow JMSM/TOC voice comms with both the Range Radio network and with airborne aircraft, the JMSM/TOC can effectively support a stationary JTAC
- o Additional Comment: Due to TigerShark camera limitations (high resolution still frame at 01 FPS with limited dissemination), the variety of UAS (Predator, Raven, Cobra, Skylark, Reaper, GoldenEye) that withdrew from EC08 in the months leading up to execution, the Coyote (CA) surrogate's difficulties in getting their video on the network, and SensorWeb/ArgonST's difficulties in correcting NightScout's data corruption problems, Scan Eagle FMV is the "only game in town", thus spotlighting the current problems of this historically extremely reliable and dependable platform

JITC – DCGS

Location: Danville, Michelson Labs, Ft Monmouth (NJ), ITSFAC, Charleston (SC), Langley AFB
POC(s): Eric Morgen / Jose Jiminez

- o Personnel: 16 personnel [11 personnel at China Lake] with no issues to report
- o Activities:
  - ▪ Summary of Planned Activities:
    - DCGS-I: No data collection until 22 July

- DCGS-A: 11 of 16 nodes federated and passed data
- DCGS-N: No further testing until 29 July
- DCGS-MC: TEG functionality improved; 33% complete with objectives
- Motion Imagery: TEG, GBS, VPC, MAAS, Concept CAR and FAME, MIV-G
- NITF: LSRS, ASTOR, LiMIT Imagery Analysis
- MAJIIC: Complete with their assessment objectives; able to test in operational environment
  - o Summary:
    - Success: Successfully TEG data transfers

LOS / BLOS

Location: China Lake / Nellis, AFB
POC(s): David Setser / Peter Kuhl

- o Personnel: Approximately 100 personnel at China Lake and Nellis AFB with no issues to report
- o Activities:
  - Summary of Planned Activities: Planned a joint airborne networking flight with Paul Revere and E-3 airborne at China Lake; working with XHawk on the ground at China Lake
    - Objective was to exercise NTISR, CAS and Strike threads using JADOCS and Airborne Web Services software
  - Significant Issues:
    - AWACS flight was cancelled due to maintenance problems
    - JADOCS configuration issues uncovered that prevented full collaboration in NTISR, CAS and Strike threads
- o Summary:
  - Successes:
    - Partial success executing NTISR, Strike and CAS threads using Paul Revere and XHawk
    - Most XHawk connectivity issues resolved
  - Lesson Learned: JADOCS configuration needs tighter control across all nodes/clients
- o Additional Comment: Recommend next year that more phones be added in Room 136
  - LOS/BLOS and JSTARS BMC2 are sharing on phone among 20 people, and that doesn't work at all

MI Pilot

Location: NAWC China Lake
POC(s): John Bordner

- o Personnel: 16 personnel with no issues to report
- o Activities:
  - Summary of Planned Activities: Light fly day – Scan Eagle did not fly today, as it was still working through their launcher/airframe issues
  - Significant Issue: Environmental issues in Michelson Labs
    - Sunday's lightning storms seemed to have knocked out the air conditioning, until they were reset this morning
    - The high temperatures led to computer, server, Co-Host and high speed guard issues
- o Summary:
  - Success: Looking at MI assets deployed in EC08, MIV-G was used to provide situational awareness at the command level by bringing up stored imagery of the checkpoints where OPFOR was encountered
  - Where Help is Needed: The General Atomics LNO is reporting contractual issues for their King Air; it is unknown if they will be allowed to continue participation or release their data

NSG-F, TEG, DCGS-IC, DEAL, CIPs, Co-Host

Location: Michelson Labs, Danville, PAX River (MD), Reston (VA), Australia
POC(s): Robert Sacca

- o Personnel: The number of personnel varies wit no issues to report
- o Activities:
  - Summary of Planned Activities: Continuing to federate with the various nodes on the network
- o Additional Comments:
  - NSG-F (China Lake): Began ingesting OBC data into the IPL
  - NSG-F (PAX River): NSTR
  - Co-Hosts:
    - Successfully deployed the IPL adapter (Reston)
    - Provided IPL login information to the new BAE contractor (China Lake)
    - Worked with Dr. Miller (ML Director) concerning DCGS-X's IPL (China Lake)
  - TEG:
    - Due to the IPL being off-line, ITSFAC was not able to retrieve products
    - Continuing to work through IESS issues
    - Worked with an NGA representative to establish the work-flow for post-DIR products
    - TIGDL should be operational on 21 July
  - DCGS-IC: Chip arrived on 20 July; will stay through the week
  - DEAL: Coordinated with US Navy reservists (supporting EC08) to conduct DCGS, U-AIM, and NSG-F training next week
  - CIP: NSTR

RAF: 5(AC) Sqn, 56(R) Sqn

Location: China Lake
POC(s): Sqn Ldr Tony Reeves / Flt Lt Chris Bishop

- o Personnel: 64 personnel with no issues to report
- o Activities:
  - Summary of Planned Activities:
    - Federated exploitation at JARIC
    - Started mission thread J-STARS/Scan Eagle X-cue with JARIC exploiting to enable kinetic effect
- o Summary:
  - Success: X-Cue / JARIC thread
  - Lesson Learned: Find the right POC!
  - Where Help is Needed: Timing and round activity for thread execution 27 Jul 08