



2020 NDIA Joint Armaments and Robotics Conference
NDIA Leadership Conference
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2020 NDIA Joint Armaments and Robotics Conference

- **Background**

- Large number of competing defense related conferences.
 - Complaints from Industry - Gov't. They are not able to support all conferences
 - Request from Industry Primes to consolidate number of Armaments Conferences
- Armaments Division consolidation 10 yrs ago, combined Small Arms GARM Conferences into one conference



2020 NDIA Joint Armaments and Robotics Conference

- **Background**

- Why a co-located 2020 NDIA Armaments and Robotics Conference in Columbus – MCoE (Ft. Benning), GA
 - Robotics Division had a successful conference in Columbus, GA in 2019
 - Plan was to hold 2020 Robotics again in Columbus, GA
 - Strong support from (MCoE) Leadership to host 2020 Joint Armaments Robotics Conference
 - US Defense Strategy includes integration of Armaments and Robotics to increase lethality
 - NDIA HQ's set up meeting between Armaments & Robotics Division Chairs
 - Agreed to combine 2020 conferences into one co-located conference

Robotics and Armaments Divisions Need to Collaborate: RCV and OMFV Prototypes and Technology Demonstrators at AUSA show both weapons and robotics as blended solutions



Textron/Howe &Howe RCV(M)



Textron/Howe &Howe RCV(M)

← Prototypes
-and-
Testing Platforms →



BAE RCV "Tech Demonstrator"



Rheinmetall "Weasel" RCV-to-be

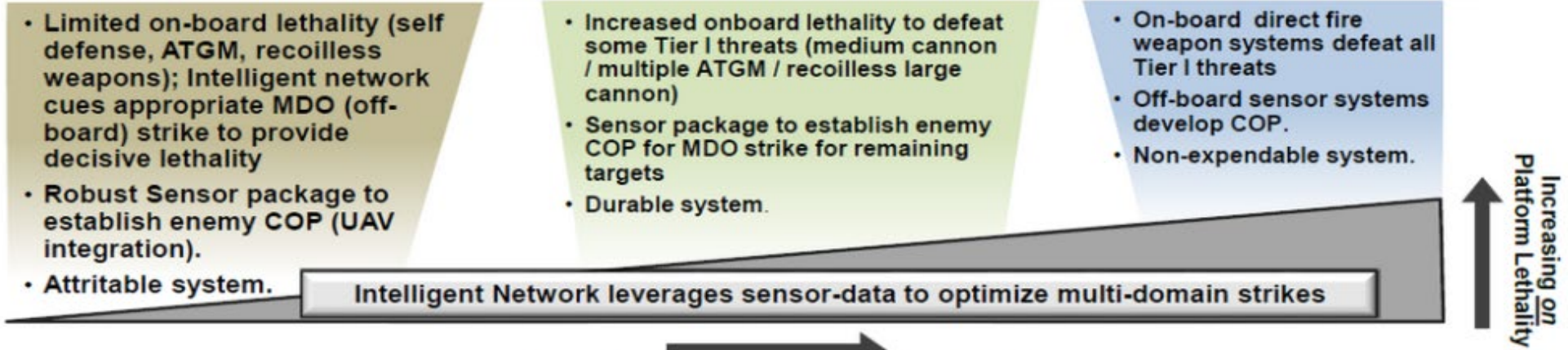


Rheinmetall RCV(L) autonomous vehicle



Elbit RCV Tech Demonstrator

Armed Robotic Payloads Matter: RCV Updates from NGCV-CFT Leadership- 15OCT19



Increasing Platform Survivability and Cost

Notional RCV Vehicle max size/weight constraints (Based on limits for different air transportability envelopes)

RCV Light (L)

< 10 Ton GVW
 224 x 88 x 94 in*
 Transport one RCV(L) by Rotary Wing
 * L x W x H



RCV Medium (M)

10 - 20 Ton GVW
 230 x 107 x 94 in*
 Transport one RCV (M) by C-130
 * L x W x H



RCV Heavy (H)

20 - 30 Ton GVW
 350 x 144 x 142 in*
 Transport two RCV (H) by C-17
 * L x W x H



Notional pictures for representative vehicle characteristics only, not to be considered an endorsement or preference to any specific system or subsystem
 Use or disclosure of data contained on the page is subject to restrictions on title page.

Robotic Combat Vehicle enables a continuum of Decisive Lethality options



2020 NDIA Joint Armaments and Robotics Conference

- **Attributes of desirable co-location**

- Secure support of Senior Leadership of Major Military Command Early
 - Secured Letter of Intent with Ft. Benning Leadership (8) months ahead of Joint Conference
- Joint Session morning of Day 1. Then break into separate programs
- Reception at the MCoE National Infantry Museum – Day 1
- Found USG person at MCoE to help coordinate building of the Program



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- **Attributes of desirable co-location**

- Beneficial having Joint Conference at MCoE, which is home to US Army Soldier Lethality CFT
 - Easier for Military personnel to receive approval to travel to MCoE – Ft. Benning, GA, as they can schedule additional meetings while at MCoE for the Conference
 - Support for Capability Briefings from AMU, Army Battle Lab, Ranger Training Brigade (RTB)
 - Support for full day of live fire demonstrations (small, medium, large caliber, robotics) on MCoE ranges organized and staffed by MCoE G3 Office at no cost to NDIA
 - More attendees in one location makes the Conference more economical for NDIA HQ's
 - Joint Session / Networking Breaks / Receptions promote networking between Divisions



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- **Challenges**

- Gaining support for a Joint Conference from members of both Divisions
 - Reception from both Committees has been very positive
- Creating the right branding message for the Joint Event
 - “Enhancing Combat Lethality”
- Finding appropriate Keynote Speakers which will appeal to full audience
- Creating value for attendees to arrive Mon. morning and stay through Thurs. live fire demonstrations



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- **Successes**

- The amount of support we have received from MCoE Leadership
- Utilizing social media tools EARLY to promote Co-Located Conference
- Joint Conference is 6 months away. Matt and I can share a Lessons Learned Briefing at 2020 NDIA Leadership Conference

- **Way Ahead**

- Recommend NDIA Divisions study opportunities to co-locate with other Divisions which overlap operationally
- If any Division Chairs are interested in getting more information on our experience setting up the first NDIA co-located Conference our contact info follows:



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