# NIE 11.2

## 2011
### June-July

**Goal:** Set the tone as a semi-annual event to integrate and mature the Army's tactical network.

**Key capabilities:** Joint Capabilities Release, Soldier Radio Waveform (SRW), Wideband Networking Waveform.

**Units participating:** 2nd Brigade Combat Team (BCT), 1st Armored Division (2/1 AD).

**First:** The first exercise of its type to combine test and evaluation while demonstrating the Army's holistic focus on integrating network components simultaneously in one operational venue.

# NIE 12.1

## 2011
### October-November

**Goals:** Connect lower-echelon Soldiers to the network; execute mission command on-the-move; establish an integrated baseline for the exercise objective; and bridge Army network architectures.

**Key capabilities:** Warfighter Information Network – Tactical (WIN-T) Increment (Inc) 2, Rifleman Radio, SRW.

**Unit participating:** 2/1 AD.

**First:** For the first time, the operational mission included a substantial combined arms maneuver.

# NIE 12.2

## 2012
### May-June

**Goal:** Serve as the final "checkout" for the first capability set, an integrated group of network technologies that began fielding to BCTs later that year.

**Key capabilities:** WIN-T Inc 2, Manpack Radio.

**Units participating:** 2/1 AD; 101st Airborne Division; 1st Sustainment Brigade, a "simulation brigade" that added realism and network traffic; 2nd Engineer Battalion as the opposing force.

**First:** For the first time, Army planners incorporated the role of higher headquarters, provided by the 101st Airborne Division. Just as it would in combat operations, the division commanded and coordinated across subordinate elements.

# NIE 13.1

## 2012
### October-November

**Goal:** Evaluate the Capability Set 14 baseline and integration onto heavy vehicle platforms.

**Key capabilities:** Mid-tier radio waveforms, Nett Warrior and WIN-T Inc 2, used to implement improvements and reduce risk before the follow-on operational test and evaluation (FOT&E) scheduled for NIE 13.2.

**Unit participating:** 2/1 AD.

**First:** Provided the first glimpse of Capability Set 14.

# NIE 13.2

## 2013
### May

**Goal:** Execute WIN-T Inc 2 FOT&E. A successful test meant the Army could keep fielding WIN-T Inc 2 to operational units beyond Capability Set 13.

**Key capabilities:** WIN-T Inc 2, Joint Battle Command – Platform (JBC-P), Nett Warrior.

**Units participating:** 2/1 AD; this NIE also set the stage for NIE 14.2, in which joint and coalition units joined the exercise.

**First:** This NIE helped inform two BCTs from the 10th Mountain Division, the first to deploy with a capability set. At the time, they were in the final stages of training before deploying to Afghanistan to serve as security forces' "advise and assist" teams. The units, while working closely with Afghan forces, relied heavily on the equipment as the Army began to remove infrastructure that previous units had relied on for communications.

# NIE 14.1

## 2013
### October-November

**Goal:** Pioneer a combination of live, virtual, constructive and distributed operations to increase efficiencies and demonstrate new training techniques.

**Key capabilities:** Manpack Radio, Joint Warning and Reporting Network, Command Post of the Future.

**Unit participating:** 2/1 AD.

**First:** Helped set conditions for joint and multinational participation during NIE 14.2, including the U.S. Marine Corps' first unit equipped with JBC-P.

# NIE 14.2

## 2014
### May

**Goals:** Follow-on tests for the Handheld, Manpack & Small Form-Fit Radio, JBC-P and the Unmanned Aerial System – Tactical Common Data Link/Universal Ground Station, as well as an operational test for the smartphone-like Nett Warrior system.

**Key capabilities:** JBC-P; Manpack Radio; Nett Warrior; Shadow Unmanned Aerial System; and WIN-T Inc 1b, which incorporated several new capabilities, including Mission Network Enclave (now known as the Army Common Enclave), Secure Internet Protocol Router Network for Wi-Fi and the Tropo Lite.

**Units participating:** 2/1 AD; a British mechanized brigade headquarters; 86th Expeditionary Signal Battalion; and 900 Marines from the 2nd Battalion, 8th Marine Regiment.

**First:** For the first time, the NIE ran in conjunction with the Joint Staff-led Bold Quest exercise at nearby White Sands Missile Range in New Mexico. This collaboration with joint and coalition forces was meant to drive advances in interoperability.

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# NIE 15.1

## 2014
### October-November

**Goal:** Complete FOT&E 2 for WIN-T Inc 2 in preparation for a full-rate production decision.

**Key capabilities:** WIN-T Inc 2, Rifleman Radio, Unified Data, Unified Trouble Ticketing System.

**Unit participating:** 2/1 AD.

**First:** A full battalion of Stryker vehicles equipped with WIN-T Inc 2 was evaluated.

# NIE 15.2

## 2015
### May

**Goal:** Conduct operational tests for the Distributed Common Ground System – Army (DCGS-A) and the Mid-tier Networking Vehicular Radio (MNVR).

**Key capabilities:** DCGS-A, MNVR, network transport convergence demonstration leveraging the Modular Communications Node – Advanced Enclave and other WIN-T network upgrades.

**Unit participating:** 2/1 AD.

**First:** The Army demonstrated an unclassified wireless command post.

# NIE 16.1

## 2015
### September-October

**Goal:** Serve as the final proof of concept for Army Warfighting Assessments (AWAs), now called Joint Warfighting Assessments.

**Key capabilities:** WIN-T; JBC-P; WIN-T's network enclave, the Coalition Communications Enclave (CCE); Multilateral Interoperability Programme (MIP); expeditionary command posts; and operational energy capabilities.

**Units participating:** 2/1 AD; I Corps; 1st Armored Division (1 AD); 82nd Airborne Division, conducting a joint forcible entry; 101st Airborne Division, conducting an air assault; and 14 NATO partner nations.

**First:** The United States and NATO partner nations addressed network challenges to improve coalition network capability, interoperability and information flow.

# NIE 16.2

## 2016
### May

**Goals:** Assess network operations (NetOps) tools that Soldiers use to manage the network; inform command post requirements; initiate an assessment of the second version of Command Post Computing Environment (CP CE) and perform an operational assessment of the mid-tier network.

**Key capabilities:** WIN-T, NetOps tools, CP CE, mid-tier network, Spider Inc 1A.

**Unit participating:** 2/1 AD.

**First:** Transition from semiannual to annual schedule of NIEs.

# AWA 17.1

## 2016
### October

**Goal:** Provide a venue to securely improve the interoperability between American and coalition mission command and communications systems.

**Key capabilities:** MIP; CCE; vehicle-based command post concept; Counter-Unmanned Aircraft System Mobile Integrated Capability.

**Units participating:** 2/1 AD; U.S. Marines, Air Force and special operations elements; and five multinational partners, from Australia, Canada, Denmark, Italy and the United Kingdom.

**First:** Inaugural event in a series of Soldier-led assessments to maximize collective training resources, joint and multinational interoperability and future force development priorities.

# NIE 17.2

## 2017
### July

NIE 17.2 will use a light infantry unit for the first time, bringing in the 2nd BCT, 101st Airborne Division as the source unit.

Lead-up integration activities to take place at home station (Fort Campbell, Kentucky), with NIE execution taking place in July at Fort Bliss.

The event will feature two systems under test: the Tactical Communications Node Lite/Network Operations Security Center Lite and the Terrestrial Transmission Line of Sight radio.

Other capabilities under evaluation include defensive cyber operation solutions; Mobile User Objective System capability on Manpack Radio; Air-Ground Integrated Link Extended Network; alternative energy solutions; and integrated electronic warfare capabilities.

# JWA 18.1

## 2018
### May

In January 2017, the Brigade Modernization Command received Army approval to change its name to Joint Modernization Command, and to change the name of the AWA to Joint Warfighting Assessment (JWA).

The first JWA will take place at several locations in Germany in 2018. The focus will be on joint and multinational interoperability and future force development.

Participating units will perform joint expeditionary maneuver operations.

Future Vertical Lift, advanced protection, cross-domain fires, cyber and alternative power solutions and autonomous capabilities are scheduled to be assessed.

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# NIE: EVALUATION EVOLUTION

*Highlights shown, not all-inclusive*