AMMO is middleware software designed for mobile devices based on the Android operating system. One of the differentiating features of AMMO is the adaption of commercial devices for use with military and civilian communications equipment. AMMO manages shared resources between applications.

Together with Transformative Apps, a DARPA effort, AMMO creates a platform for reliable communication and operational effectiveness in unpredictable, non-secure, or hostile environments.

Ammo enables mobile applications to reliably send/receive data over various types of networks (radios, routers, 3G, etc) while abstracting away the type of communication infrastructure used from the application developer.

AMMO allows for Rapid Application Development where applications can be developed, deployed and start sending and receiving data with minimum effort. These applications can be deployed in a number of hardware scenarios without impacting the application software.

The AMMO project’s impact on Nashville’s economy and technology workforce:

- Direct DoD funding to AMMO
  - $4.3M awarded to date
  - $19M ceiling
- Education
  - Teaching
    - AMMO technology is being used and taught in the classroom at Vanderbilt
- Internships and training
  - AMMO has supported interns from several local and regional universities
- Potential for spin-off business opportunities
- Collaboration with local technology companies

Future application areas already being researched and under development:

- Disaster Management
  - In disaster areas marked by widespread loss of telecom infrastructure, AMMO is used to facilitate communications among smartphones to aid in search and rescue of survivors
- First Responders
  - AMMO provides Police, EMS, Fire Department applications the ability to publish rapid information updates to field units
- Improved Situational Awareness
- Secure Mobile Communication
  - AMMO can provide Medical Professionals with secure patient information over commercial networks
  - All communication is encrypted