



NATO Communications and Information Agency

The new NATO Communications and Information Agency Priorities and Challenges

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Agency Reform



NATO CIS Services Agency



NATO Consultation, Command
and Control Agency



NATO Air Command and Control
System Management Agency



Active Layered Theatre Ballistic
Missile Defence Programme Office



HQ Information, Communication,
Technology Management



VISION

To strengthen the Alliance through connecting forces, by the end of 2014, the NCI Agency Team:

Optimises NATO mission success and be recognised as the trusted enabler of information superiority and enterprise excellence;

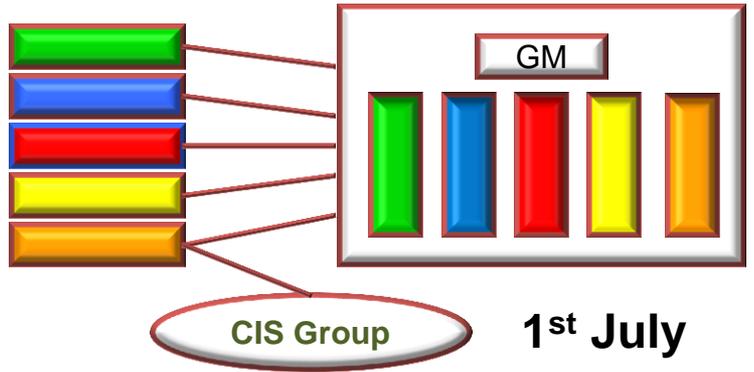
Uses best practice to develop, deliver, connect and protect capabilities in partnership with other NATO entities, nations and industry;

Earns customers confidence through agility, innovation and by delivering coherent and cost-effective solutions.

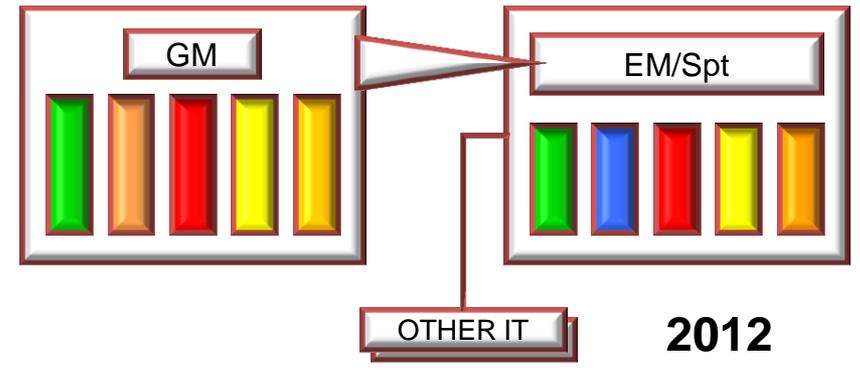
“Connecting Forces”

NCI Agency - Organizational Evolution

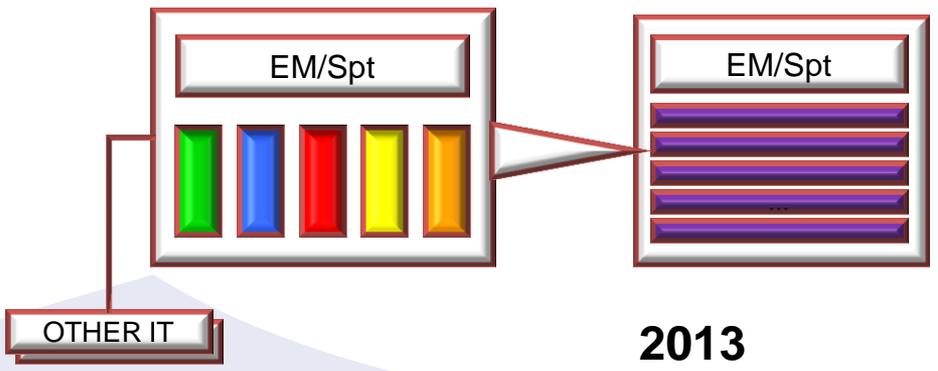
Transition



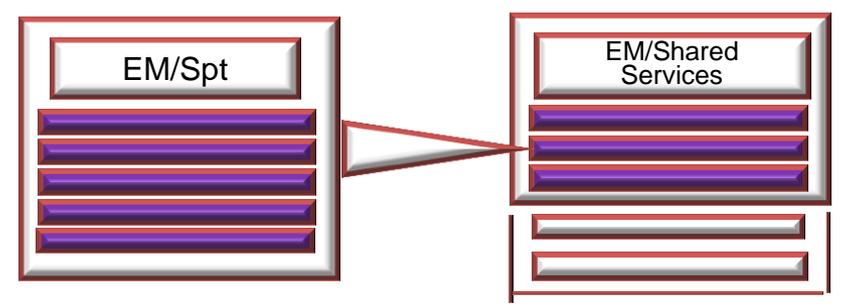
Consolidation



Rationalisation



Optimization



Way Ahead

- Design and transition plan on track
- Effective and undisrupted support to military operations is a “conditio sine qua non”
- Establishment of “Customer Funding Regime”
- Develop one common catalogue of services, expertise and products
- Develop PE, Business Processes and Structure for Rationalisation Phase, NCI Agency Strategic Plan 2013-2015
- Implement C2 Arrangements (SACEUR - GM NCI Agency)
- Third Deliverable by end Dec 2012 (plan for greater savings, structural model, Business Plan 2013, ...)

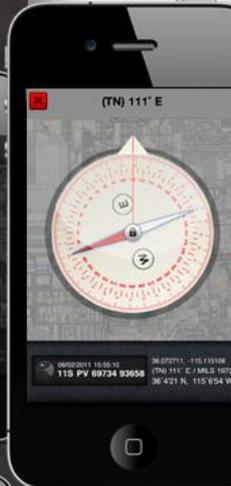
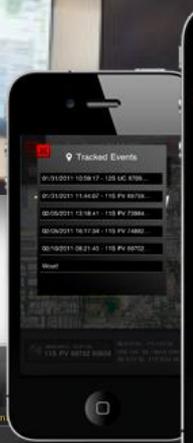
Trends in Mobile Computing

- Web 3.0 and Web 4.0 development.
- Deliver better services to customer at lower costs.
- Smartphones, tablets and tablets hybrids will become first pathway for Internet for many (access to information for many).
- Nearly unlimited development of Apps.
- Nearly unlimited growth of social media.
- Cloud Computing.
- High user expectations.

Changes Across Generations



Development of Apps and NCI Agency Knowledge on Mobile Devices



ARMY.MIL | MOBILE

Smartphone Apps

- U.S. Army News & Information
- Army Social Media
- Army Strong Stories
- Mobile MWR
- Army OneSource Services Locator
- Army Family Action Plan Issue Search
- U.S. Army Europe
- DVIDS Military 24/7
- Army Virtual Exhibit

DVIDS Military 24/7

- Up-to-date information directly from deployed service members
- The latest news from each branch of the U.S. Military featuring top news stories, photo galleries and on demand content
- Track breaking news - content continuously updated
- Flip through the day's best, highest rated, and most popular military photography
- Watch the latest "In The Fight" programming and view numerous military newscasts
- Share stories and photography via email, Facebook and Twitter

Available on the App Store



NCI Agency - NATO App Store?



ncia.app@nato.int?

ARMY.MIL | MOBILE

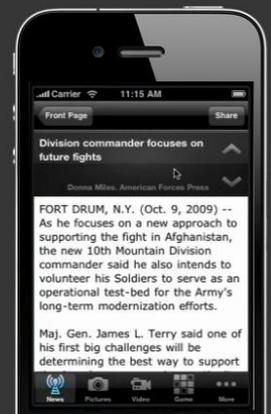
Smartphones Other Devices Extras

Smartphone Apps

- U.S. Army News & Information
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U.S. Army News and Information

- All Army news sections from [Army.Mil](#) featuring full articles with photos
- Thousands of images from the [U.S. Army Flickr](#)
- All video products featured on [Army.Mil](#)
- Army social media sites like [Twitter](#) and [Facebook](#)
- The [Army Live Blog](#)
- [Soldiers Magazine](#) issues
- STAND-TO!**
- Podcasts
- Games
- Other **features** like Army fact files, uniforms, ranks, recruiter locator & the Army song
- Need more help? Please contact the [Army Web Team](#)



Mobile Computing and Cyber Defence - Statements -

- No inherent security risks about mobile computing.
- The technical platforms are getting improved on a continuous basis – national/NATO accreditation is progressing.
- As for computing: already have solutions available.
- Proportionality between security measures and development costs.
- For voice: the NCI Agency is working on specifications, but only if there is a sufficient volume requirement will it be feasible to implement.

Mobile Computing and Cyber Defence - Statements -

- Solutions must be easy to use and – almost – fool-proof; also in operational environment!
- Solutions must support available bandwidth (for deployed operations where bandwidth is at premium).
- Solutions must be easy to maintain.
- If we do not develop the solutions, the users will find ways to get their job done – thereby increasing the risks for security infractions.

Mobile Computing and Cyber Defence - Human Factor -

- The major risk in mobile communication is not the technology, but lack use user awareness:
 - Users must take ownership of the information they possess (it is not somebody else's information);
 - Users must be aware of the environment where they use their mobile devices;
 - Users must be aware of the property they are carrying;
 - Users must be aware of the risks of using Internet capabilities.

We must realise that technology is only a part of the challenge – the human behaviour is essential to mobile computing.

Mobile Computing and Cyber Defence - Conclusions -

- NATO and nations must collaborate on the development of secure mobile computing.
- NATO must engage with the academic world to take advantage of both front-line technology and an open mind-set – we may be stuck in a mind-set created by 10-20 year old security policies.
- NATO must engage with the nations, academia and industry to develop a cyber-security awareness program (NATO and defence is not special in this context).
- The Human Factor is equal besides the technical challenges.



Challenges

- To Discuss -

- Observe and assess trends - we can't prevent them.
- NCI Agency -> NATO App store
- Preserve the proportionality - 100% security is not possible -> **security is an enabler, not an inhibitor.**
- Find the right balance between technical and people mitigation.

