

Activity reference number	HFM-ET-125	Activity Title Mobile Education & Training Technologies for Healthcare and other Military Professionals	Approval 2012
Type and serial number	ET		Start January 2013 is
Location(s) and Dates		TBD	End January 2014
Coordination with other bodies		, MSG, NTG	
NATO Classification of activity		UU	Non NATO Invited No
Publication Data		MISC	UU
Keywords		Mobile learning, Education, Training, Training Technologies, Education and training, Medical professionals, Healthcare professionals	

I. Background and Justification (Relevance to NATO):

Mobile Learning (education & training) has continued to spawn an enormous number of conferences, meetings, workshops and smart phone applications. NATO HFM has sponsored advanced distributed learning research technology and computer based learning research groups for a decade. Recently the use of modeling and simulation for medical and health care professionals has become one of the more recent activities sponsored by NATO. Given the state of the art in mobile devices, the medical and health care profession has begun to rely on “APS” and smart hand held devices for intelligent dialogue, job aides, rehearsal training and data base access.

II. Objective(s):

To identify the many capabilities as well as opportunities for the use of mobile devices for medicine and healthcare education, training, and performance aiding. We will also have to focus on how these “m-devices” will provide the most cost-effectiveness techniques from research all the way into the various elements of the training communities. One goal is to compile information in a practical, usable form of “what works” and why it works.

III. Topic To Be Covered:

- Pedagogical approaches, models and theories for mLearning
- mLearning in and across formal and informal settings
- Strategies and challenges for integrating mLearning into broader medical educational scenarios
- User Studies that focus on metrics and cost-benefit of mobile devices
- Learner mobility, device robustness and education and training transitions afforded by mobile learning
- Socio-cultural context and implications of mLearning
- Mobile social media and user generated content
- Enabling mLearning technologies, applications and uses
- Evaluation and assessment of mLearning
- Research methods, ethics and implementation of mLearning
- Innovative mLearning approaches
- Tools, technologies and platforms for mLearning

IV. Deliverable (e.g. S/W Engage Model, Database,...) and/or end product (e.g. Final Report):

Miscellaneous, other deliverable(s) : none

V. Technical Team Leader And Lead Nation:

Chair : Col Karl FRIEDL United States

Lead Nation: United States



Technical Activity Proposal (TAP)



VI. Nations Willing/Invited to Participate:

NATO Nations and Bodies : Canada, Denmark, France, United States

PfP Nations : none

MD Nations : none

ICI Nations : none

Global Partners : none

Contact / Other Nations : none

VII. National And/Or NATO Resources Needed (Physical and non-physical Assets):

Funding for participants.

VIII. STO/CSO Resources Needed:

None

Additional Information

Panel Mentor:

Mr Paul CHATELIER, United States

Limited Participation Technical Team:

Yes

Comments:

- Application of mobile technologies for education and training for professionals (medical healthcare is one focus)
- Activity will identify the opportunities for mobile devices in lifelong learning and training.
- Information on "What works and why does it work"

Deliverable:

- Workshop with demonstrations
- Compendium of capabilities such as authoring systems, assessment methods, APS, etc.
- Final Report
- Miscellaneous, other deliverable(s) : TBD
- TAP and ToR for a follow-on activity

Approved at the 30 HFM-PBM, Fall 2012

Terms Of Reference (TOR)**HFM-ET-125, ET
on****Mobile Education & Training Technologies for Healthcare and other Military Professionals****I. Origin****A. Background****B. Justification (Relevance for NATO)****II. Objectives****III. Resources****A. Membership**

Chair : Col Karl FRIEDL United States

Lead Nation: United States

Nations Willing/Invited to Participate: Canada, Denmark, France, United States

B. National And/Or NATO Resources Needed :

Funding for participants.

C. STO/CSO resources needed

None

IV. Security Classification Level

The security level will be Unclassified/Unlimited

V. Participation By Partner Nations

PfP Nations : none

MD Nations : none

ICI Nations : none

Global Partners : none

Contact / Other Nations : none

VI. Liaison