



Computer/Electronic
Accommodations
Program



Support. Equip. Empower.
Assessing and Accommodating
Cognitive Injuries

Webinar Series Overview

- Session 1: CAP and the DoDI 6025.22
 - Mandates of DoDI
 - Overview of CAP services
- Session 2: Assistive Technologies and Needs Assessments
 - Needs Assessments
 - Overview of Assistive Technology (AT)
 - CAP support to MTFs
- Subsequent Sessions
 - Focus on needs assessments and AT per disability area
 - Case studies of needs and solutions



Needs Assessments

Key Steps in the Process

- The Individual
- The Injury
- The Job
- Identify the Accommodations



Cognitive Impairments

The Individual

- Cognitive functioning prior to injury
- Current Status
 - Recovery/rehab
 - Temporary duty assignment while receiving medical treatment
 - Already continuing on active duty (COAD)
- Future Plans
 - COAD
 - COAD with new MOS
 - MEB/PED
 - Separating and continuing education
 - Separating and working in private sector



Cognitive Impairments

The Individual

- Information Technology (IT) use
 - Personal use only (email, web surfing, games)
 - Professional use only (related to MOS)
 - Personal and professional use
 - Applications used
- Assistive Technology (AT) use
 - Previous user
 - Type/duration/training
 - Non-user
 - Exposure to AT in MTF setting



Cognitive Impairments

The Injury/Disability

- Injuries
 - Traumatic Brain Injury (TBI)
 - Post Traumatic Stress Disorder (PTSD)
 - Post Concussive Syndrome
- Cognitive Conditions
 - Difficulty focusing on printed or spoken information
 - Difficulty comprehending verbal or written information
 - Short-term memory loss
 - Memory loss impacting steps in an activity



Cognitive Impairments

The Job/Task

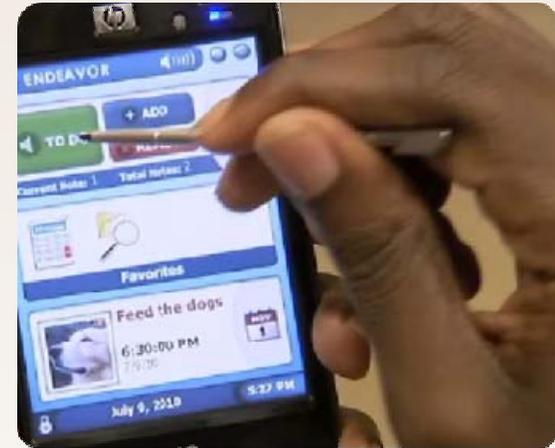
- COAD
 - Electronic/telecom-based functions
 - Specific applications used
 - Specific tasks performed
 - Noise level of work environment
- Separating
 - Continuing education
 - E-learning, 'brick & mortar', or both
 - Support services from educational facility
 - Work awaiting in private sector
 - Working in federal sector



Cognitive Impairments

Potential Solutions

- Cognitive / Learning
 - Word prediction software
 - Literacy software
 - Speech recognition software
 - Screen readers
 - Cueing and memory aids (PDAs)
 - Assistive listening devices
- Communication
 - Amplifiers
 - Augmentative communication devices



Cognitive Impairments

Case Study 1:

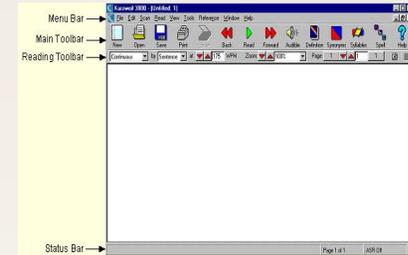
- Diagnosis
 - Traumatic Brain Injury from IED Blast
 - 70% Frontal Lobe Damage
- Limitations
 - Short and Long Term Memory Loss
 - Decreased concentration and attention
 - Word comprehension deficits
- Status
 - Attempting COAD and continuing education
 - Online classes
- Solutions
 - Literacy Software
 - Scanner
 - Schedule Assistant and Pocket Coach PDA



Cognitive Impairments

Case Study 1:

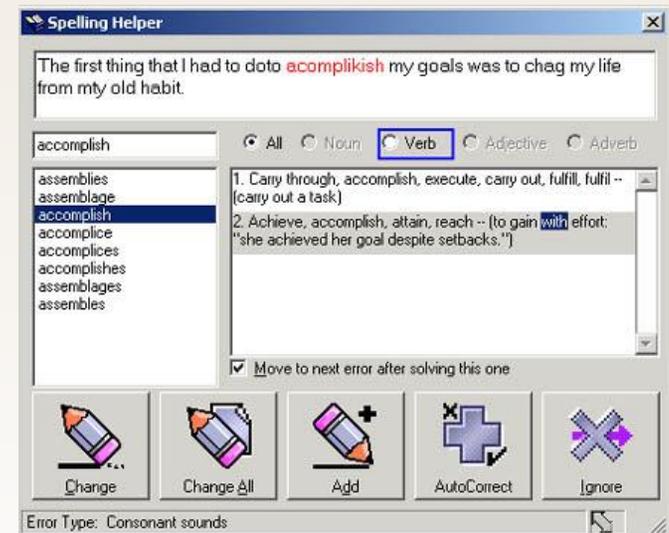
- Literacy Software
 - Dictionary
 - Masking features
 - Document and application readers
- Scanner
 - Options for hard-copy
 - Convert to text for notes
- Schedule Assistant and Pocket Coach PDA
 - Recording capabilities w/ auditory cues
 - Step by step instructions



Cognitive AT

Focus on Literacy Software

- User can control how text or verbal information is presented
- Variable highlighting and masking of text
- Text, cues, dictionaries, and prompts can be read aloud
- Applicable to existing electronic documents
- Hard copy information can be scanned then accessed
- Demo Available at:
<http://cap.tricare.mil/WSM/NewsEvents/training.aspx>



Cognitive Impairments

Case Study 2:

- Diagnosis
 - Traumatic Brain Injury from RPG
 - Post Traumatic Stress Disorder
 - Nerve Damage
- Limitations
 - Executive Functioning Deficits
 - Word finding and comprehension deficits
 - Tremors
- Status
 - Continuing education
 - Both online and 'brick & mortar' classes
- Solutions
 - Literacy Software
 - Speech Recognition Software
 - Scanner
 - Basic PDA
 - PDA Keyboard



Cognitive Impairments

Case Study 2:

- Solutions
 - Literacy Software
 - Allow for word prediction and comprehension
 - Voice recognition software
 - All input to the computer
 - Scanner
 - Convert hard copy documents
 - Basic PDA
 - Help with organization
 - PDA Keyboard
 - Alternative to stylus



Cognitive Impairments

Case Study 3:

- Diagnosis
 - IED Blast, TBI, Post Concussive Syndrome, loss of sight
- Limitations
 - Some memory deficits
- Status
 - MEB/PEB
 - Civilian Employment
- Solutions
 - Screen-reader software
 - Portable electronic reader
 - Talking Organizer



Cognitive Impairments

Case Study 3:

- Screen-reader software
 - Verbalization of all info from computer
- Portable electronic reader
 - Voice output of electronic information
 - Usable across environments
- Talking Organizer
 - Verbalization of appointments/tasks



Cognitive AT

Focus on Cueing and Memory Aids

- Standard technologies
 - Calendar/reminders in email programs
 - Calendars/alarms in cell phones
- Varying levels of complexity
 - Wearable device provides cues and access to contacts
 - Handheld PDAs with standard productivity functions, or powerful audio/graphic/visual cues
- Demo Available at:
<http://cap.tricare.mil/WSM/NewsEvents/training.aspx>



Memory/Cueing Aids

PDA's

- 'Basic' PDA
 - Standard Microsoft applications
 - No additional AT software applications
 - Calendar/reminders in email applications
 - Ability to sync with contacts/schedule from computer
- Basic PDA w/ GPS
 - Same features as Basic PDA
 - GPS capabilities



Memory/Cueing Aids

PDA with Endeavor Suite

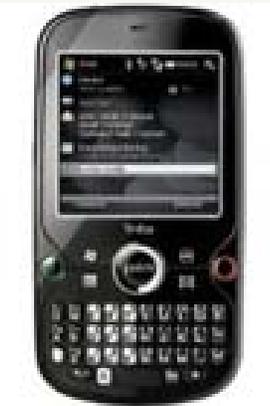
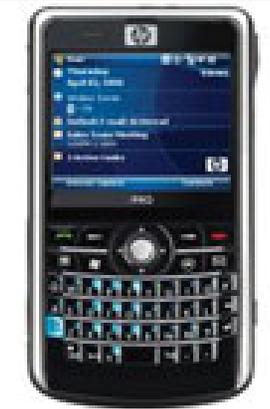
- Basic PDA with supplemental software
- For SMs with more significant memory loss
- Provides step-by-step prompts for task completion
- Prompts can be pictorial, text, sound, or combination
- Software provides repeated auditory and visual reminders for appointments
- Ability to record appointment prompts; SM, spouse, care giver can record personalized reminders
- Demo Available at:
<http://cap.tricare.mil/WSM/NewsEvents/training.aspx>



Memory/Cueing Aids

SmartPhones

- CAP provides only unlocked SmartPhones
- CAP-provided unlocked SmartPhones will work only with service providers using GSM
- Global System for Mobile communications (GSM) systems use Subscriber Identity Module (SIM) cards
- Service providers on Code Division Multiple Access (CDMA) require phones with embedded hardware, or 'locked' phones, to work on their system
- Submitters of requests should be sure requested SmartPhone will work on provider's network



Memory/Cueing Aids

SmartPhones

- GSM Carriers:
 - -AT&T
 - -GTC (AT&T-owned)
 - -I Wireless (T-Mobile-owned)
 - -Immix Wireless (AT&T/T-Mobile)
 - -T-Mobile
 - -West Central Wireless



Memory Cueing/Aids Recordable Pen

- Records audio while taking notes
- Links the audio with writing
- Has calculator functions
- Gives time, date and other information
- Demo Available at:
<http://cap.tricare.mil/WSM/NewsEvents/training.aspx>



CAP Technology Evaluation Center (CAPTEC)

- Assist individuals and supervisors in choosing appropriate accommodations
- Wide variety of assistive technology
 - VTC capability
 - Tours
- Located in the Pentagon (2D1049)
 - 703-693-5160 (Voice)
 - 703-693-6189(TTY)



www.tricare.mil/cap/wsm

CAP Computer/Electronic Accommodations Program

Search CAP

my solutions Sara: 0

DoD Instruction Accommodation Solutions Resources News, Events & Training

Support. Equip. Empower.

In support of DoDI 6025.22 establishing policy for assistive technology programs in the Military Health System, CAP works closely with wounded Service members across the nation to ensure they receive appropriate AT for their needs. Learn how CAP supports WSM.

1 2 3 4 5

Welcome to CAP!

How may we help you?

Ready to place a request for an accommodation? [Start here.](#)
Need to [browse assistive technology](#), or help to determine the appropriate accommodation to meet your needs? We can help!

Need Assistance?

Contact us from 8am-5pm Eastern Time by phone at 703.681.8813, 703.681.3978 TTY, or anytime by email at wsm@tma.osd.mil

Stay Connected to CAP

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Testimonials

MAJ Ava Craig | Sara Meisinger | CPT Ivan Castro

WSM Spotlight & Upcoming Events

WSM Spotlight

▶ The next Hiring Heroes Career Fair will be held at Walter Reed Army Medical Center on June 9, 2010 [View the dates for the upcoming career fairs](#)

Upcoming Events

▶ [Hiring Heroes Career Fair](#) | April 20, 2010

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CAP DoDI Resources



- Full Text of DoDI 6025.22
www.tricare.mil/cap/documents/CAP_WSM_DoDI.pdf



- CAP DoDI Handbook
www.tricare.mil/cap/documents/CAP_WSM_Handbook.pdf



- Designation of CAP Representative
www.tricare.mil/cap/documents/CAP_WSM_MOU.pdf



Contact CAP

- CAP WSM Team
wsm@tma.osd.mil
- WSM Website
www.tricare.mil/cap/wsm
- CAP Office
cap@tma.osd.mil
703-681-8813
- VTC assessments available through the CAP Technology Center (CAPTEC) at the Pentagon
703-693-5160

