

ASCC 01 plan

By 2005 - 30 sim

2010 - full operational capabilities

2005 - full STS

ASCI can assess stockpile simulation

+ "These capabilities are also vital to the stockpile C.E. planned activities by providing the simulation + modeling tools needed to certify the performance, safety + reliability of aging nuclear warheads or weapons that are modified with refurbished components" p 9

~~"our stockpile"~~

"our simulation capabilities will be used to support the planned W 80 (2006 FPA) + W 76 (2007 FPA) stockpile refurbishment + certification" p 10.

[W 80 FPA now 2008 - FY05 budget]

CANL 100 TerOPS computer for FY05. [?]

W 80-3 refurbished - 'in-depth collaboration' with ASCI program to develop + implement a model-based approach to qualify a refurbished warhead.

[S AR 03-04

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JAMP Labs (Aca 0a -

light-initiated HE → project mothballed in '92  
revised for W76-1 - qualification test; slated for 06.

W76-1 FCET carried out

W76-0 - achieved production status following test SAR 01  
JTA

W76-1 ~~W76-1~~ - Normal Environment + Model Validation Successful 5 Aug 03  
↓ (lab qualification of M&A RB design)

JT&A-2B Confirmed pre-flight ground qualification for DASSO-18  
- ASCI SACINAS, + 'evaluated difference in the  
dynamic response of the W76-1 system relative to the W6-0 design'

Verbal Agry - successfully predicted behavior of aging HE for W76 pieces  
in DASSO budget brief F499, 23/2/98.

F705 budget 'Dynamic Materials' → Ore focus - 'qualification of a  
replacement PBX 9501 explosive'

F705 budget - 'Advanced Radiography' - Dual-Axis Radiographic Microscopy  
CDARMI - for hydrotests of W76 + B61 (~~Direct Radiography~~)

u 'Enhanced Safety' - in F705 - completion + development of  
a fiber optic controlled detonation is planned (not scheduled W76).

p94 u 'Wpa Syst Eng Ass Test' - STV models + HE Radio telemetry for  
flight test of HE response / abnormal / hostile response to be  
for FCET 34 developed.

u HE + Wpa Ops - Equipment for HE markings / manipulation / test for W76-1 work

NB - Check Name - US N & W used  
Same pid / prints for several warheads.

Reports

W76 is the major US nu project

- Its CE is 25000

Non-hertz simulators → ~~25000~~

order of CE → B61 - W76 - W80

Sub B61 is the sub-batteries

→ ASE 1

Sardinia Complex - France,

Alex F

NC

HO QMA (W76 → 0.9 (W80 & W80)) - i.e. lead nuclear

W80 refurbishment FPU FY 06

W76 Fuse revalidation in kind 00

Virtual prototyping MC4600NC - 02

" " W76 STA 02/3

" " AF+1= 03

prototyping  
Capabilities

W80 3D Secondary printlets run on SNC + LANC  
-2911 - 16/4/00.

S Lab Nos 26/1101 → Qualification of MC4380 NC  
Completed.

→ deadline of Oct 99 for MC4380 production plus  
W76 revalidation on hold for 6 months

S Lab Nos - 28/1100 → MC4380 -

Code for NC developed FY97-98;

application FY98-99

result to qualification - this yr

→ because NC uses tubes → must be replaced regularly

→ models; hostile conditions - incl X-ray

- W80 models of X-ray radiate covered  
throughout RC

S Ann Rep 00 - W76 Acorn - Test key to certifications done in Jan 00

QMU - NA-10 Materials (5/7/03)

M31 Complete aircraft of a W80-3 variant with

greatly design modifications + alterations (2106 - CANC /  
Sask) Sask

M36 - -u - W76-1 (9107 - CANC / Sask)

M25 - -u - B61 (9106 - CANC / Sask)

- F703 hole + beyond - Tin Trucano

(W80-0 → W80-2 ; W80-1 → W80-3)

First Production (last) - W80-2 + B61 7/11 due 2006.

W76-1 2007/08

W80-3 2008

B61 7/11 - involved relatively security

USN -

TLAM-N (Block II) range 2500km (1500 miles)

US TERCOM

550 mph.

Unit cost \$569k in 1999

W80/TLAM

NRDC → Non-foat NF →

LRD produced 12183 - 5-150kg yield; 320 ~~feet~~ <sup>water</sup>

- stored above

(W80 also in ALCM)

CCMC (AMU doc)

- Award AMU to center, W87AL8342
- 2nd CCMC AMU project is W80

B61-11 deployed to White Sands Museum -

✓ BAS to Jul/Aug 98

TEAMM Oranford to San Diego to Bangor

03 budgets needed +

F700 inc go W76 DASA-18 + 2 W76 hydrodynamic  
test, + SPR test for W76 AF-11-

04 budgets W80 RPA R706

~~W76 go to DASA-18~~

04 O<sub>2</sub> - deliver type test loads to FCOT 32

04 O<sub>2</sub>s - limited test compares - → include repairs  
388 new build ACS of MCA380AME  
1861 new build revisions (by?)  
1734 filled revisions  
131 Gas generators

W76 Avon Gas Transfer System GTS

CCMC- Dec 02 - Award for team test W76 Avon GTS