Information Pool at CERN

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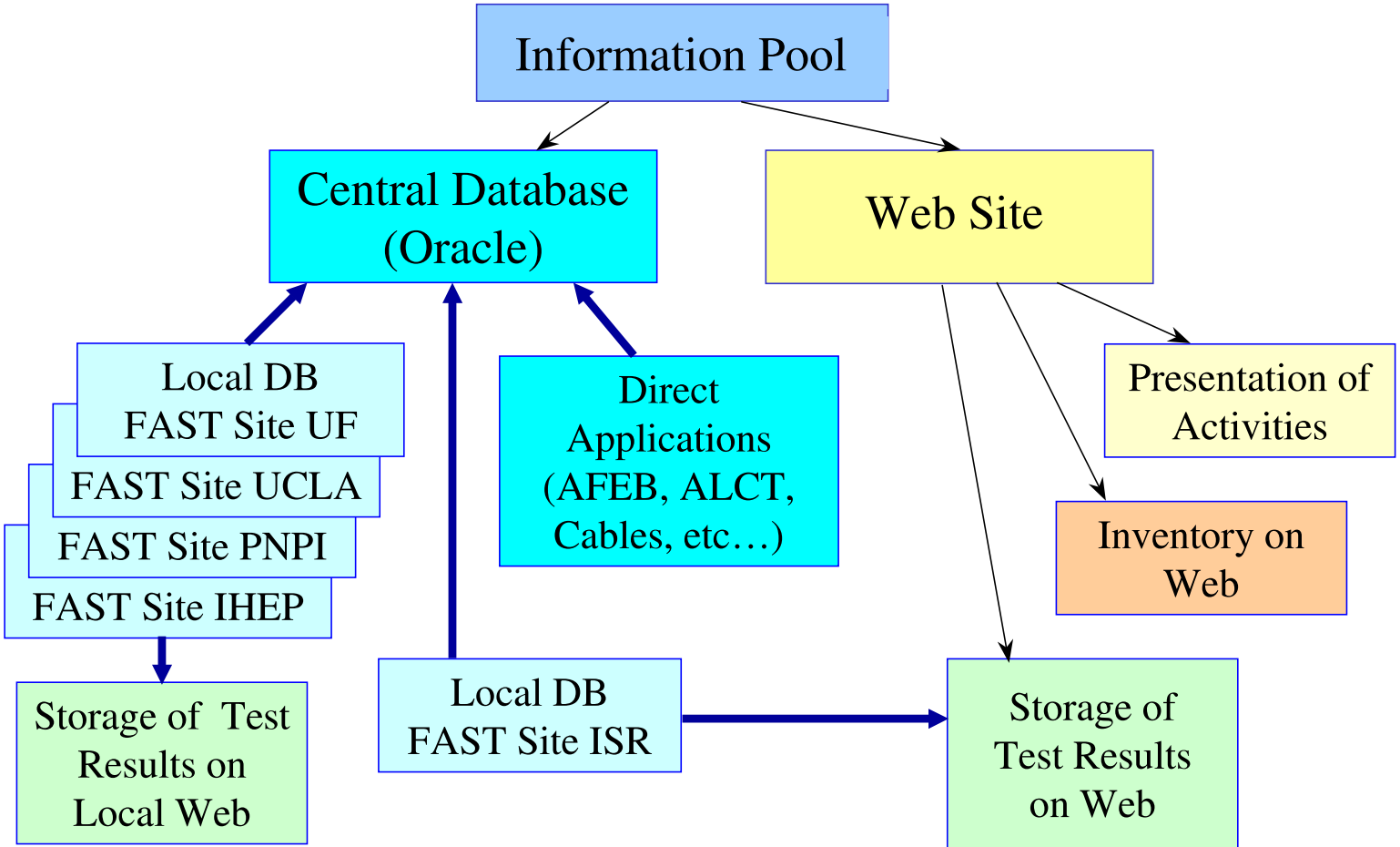
Endcap Muon Meeting

CERN

25 February 2003

Information Pool Structure

Information Pool

Central Database (Oracle)

Web Site

Local DB
FAST Site UF

FAST Site UCLA

FAST Site PNPI

FAST Site IHEP

Direct Applications (AFEB, ALCT, Cables, etc…)

Presentation of Activities

Inventory on Web

Storage of Test Results on Local Web

Local DB
FAST Site ISR

Storage of Test Results on Web

Information Pool consists of (unlimited) space in CERN central Oracle database and CMS Web server space (few Gbyte). Central Database is filled by direct applications (AFEB, ALCT, Cables etc.) and by local FAST sites databases (chambers and boards tracking). Test results from FAST sites (as a set of files for each chamber) are saved on local Web spaces (where ISR uses central Web space as a local one). In a time (if necessary) the important results from tests will be decoded from files and uploaded into Central Database for subsequent use in the experiment. Web space is also used for presentation of activities at CERN and simple accounting of equipment at ISR ("Inventory on Web").

Central Database

R. Breedon
I. Vorobiev
V. Sytnik

ISR Local Database

V. Andreev
C. Matthey

Central Database

I. Vorobiev

Maintenance of Central DB, applications, Web site.

V. Sytnik

Maintenance of central applications for tracking, local DB software.

R. Breedon

Work on new applications.

ISR Local Database

V. Andreev
C. Matthey

Organization of data flow at ISR (into local DB, test files on Web + inventory).

URL address:
http://cmsdoc.cern.ch/CSC/CERN/Welcome.html

Gives access to all information: database, test results,
inventory, pictures, CERN group minutes and so on.

Database Web Page

URL address:
http://cmsdoc.cern.ch/cms/CSC/CERN/db.html
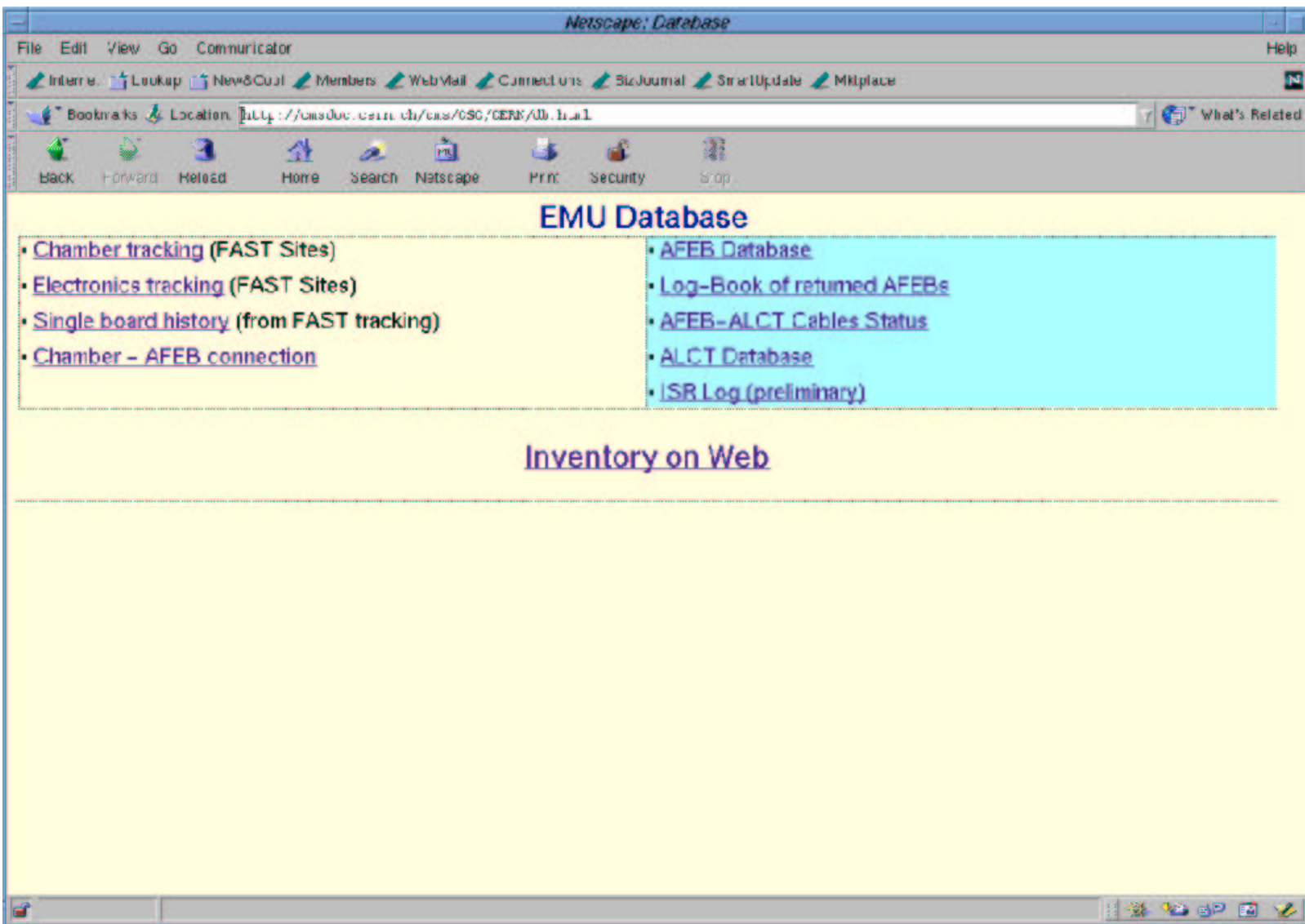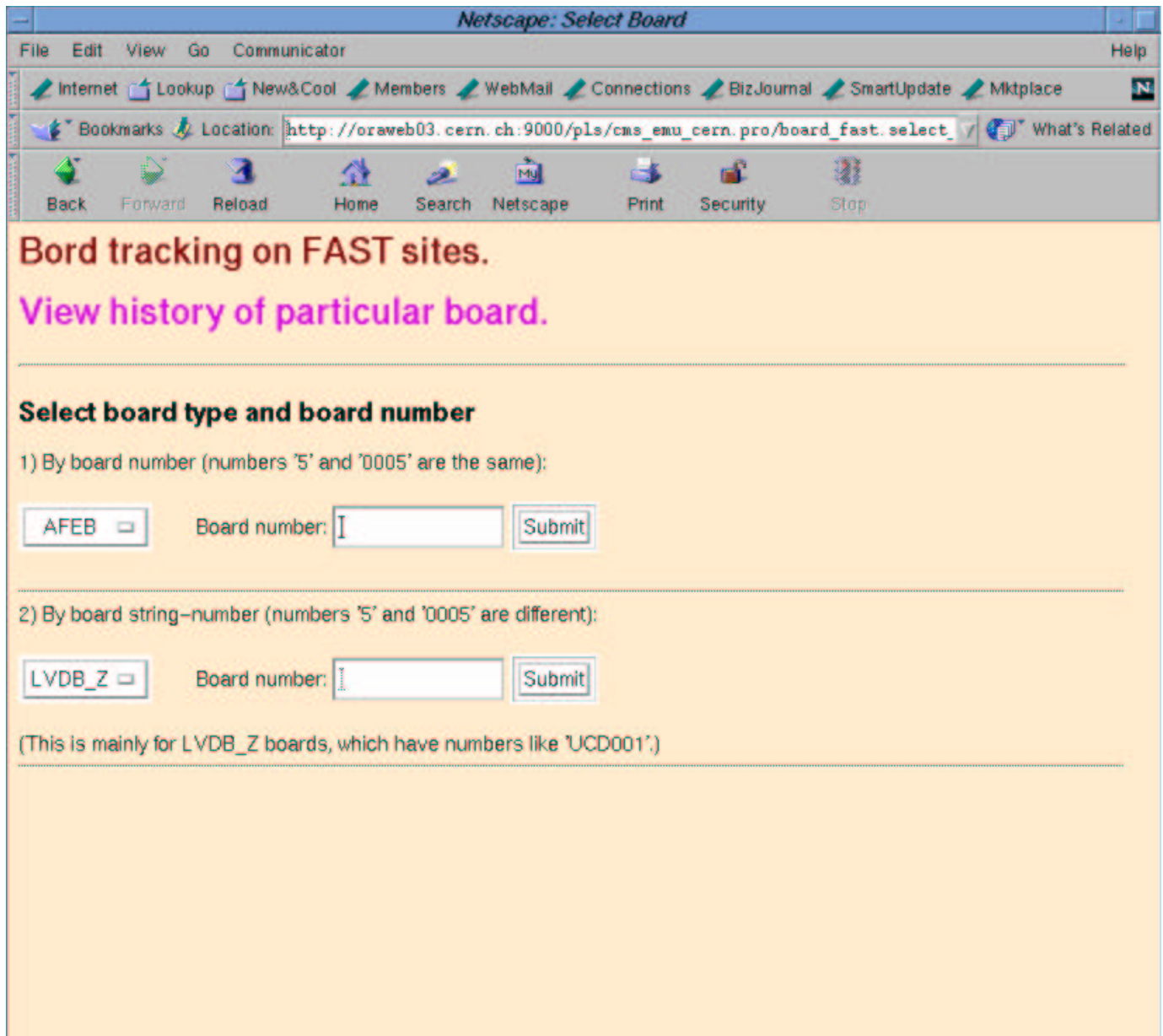

Left column - FAST sites DB, right - direct applications.
"Chamber - AFEB connection" - cross reference.

DB: Single board history (from board tracking)

URL address:
http://oraweb03.cern.ch:9000/pls/cms_emu_cern.pro/
/board_fast.select_board

Click on "Single board history" from DB page.

DB: Single board history (tracking)

Board CFEB, number 175.

N	Board	Number	Site	Date	Action	Entered by	Entered Date	Entered Time	CSC	Number	Position	Comment
1	CFEB	175	UF	2002-03-22	RECEIVED	tavares	2002-05-20	13:44:36				
2	CFEB	0175	ISR	2003-01-10	RECEIVED	sulimov	2003-01-24	11:21:31				from UF as a spare
3	CFEB	0175	ISR	2003-01-23	INSTALLED	sulimov	2003-01-24	11:32:17	ME234_2	30	5	from UF as a spare

Select records ignoring zeroes entered before board number.

DB: Chamber - AFEB connection

#ME234_2 number 21.

#24-FEB-2003 , 23:08:15 (Geneva time)

#N	AFEB pos.	AFEB num.	Int.cap.(pF)	U(mv)20fc	Gain	Offset
1	1	1773	0.222	132	7.3	14.4
2	2	859	0.232	106	7.4	42.4
3	3	1794	0.248	111	7	28.3
4	4	310	0.236	116	7.1	26.4
5	5	475	0.25	97	6.7	36.8
6	6	605	0.263	112	7.1	29.8
7	7	768	0.281	117	6.6	15.6
8	8	516	0.256	96	7	44.2
9	9	1015	0.242	97	7.3	48
10	10	1002	0.256	102	6.9	36.1
11	11	889	0.286	96	6.3	31.1
12	12	6	0.239	112	7.1	30.1
13	13	1011	0.248	107	7.2	36.3
14	14	997	0.254	126	7.2	18.5
15	15	132	0.241	129	7.3	16.4
16	16	628	0.236	121	7.2	22.4
17	17	1038	0.231	132	7.2	11.1
18	18	816	0.285	97	6.5	33.7
19	19	615	0.251	119	6.8	16.7
20	20	514	0.247	109	6.9	29.5
21	21	1034	0.234	136	7	5
22	22	874	0.254	96	6.9	42.4
23	23	719	0.23	117	7.3	28.4
24	24	3270	0.235	94	6.1	28.9

List of AFEBs installed on the chamber with AFEB calibration parameters.

DB: Log-Book of returned AFEBs

File   Edit   View   Go   Communicator   Help

Internet   Lookup   New&Cool   Members   WebMail   Connections   BizJournal   SmartUpdate   Mktplace

Bookmarks   Location: http://oraweb03.cern.ch:9000/pls/cms_anode_boards.pro/board_log.view_s   What's Related

Back   Forward   Reload   Home   Search   Netscape   Print   Security   Stop

Boards are requested from 399 to 399.

Actual: first 399, last 399, number of boards 1.

Board 399

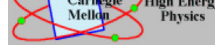| N	Date	Site	Action	Action Comment	Type	Board Comment	Updated
1	21-OCT-2002	fnal	move	Board returnet to FNAL from UF site. Suspicion for crosstalk.		After testing no visible problem discovered. Board retested and passed all cuts.	16-FEB-03 11:52

100%

Record for an AFEB returned for repairing.

DB: Log-Book of returned AFEBs
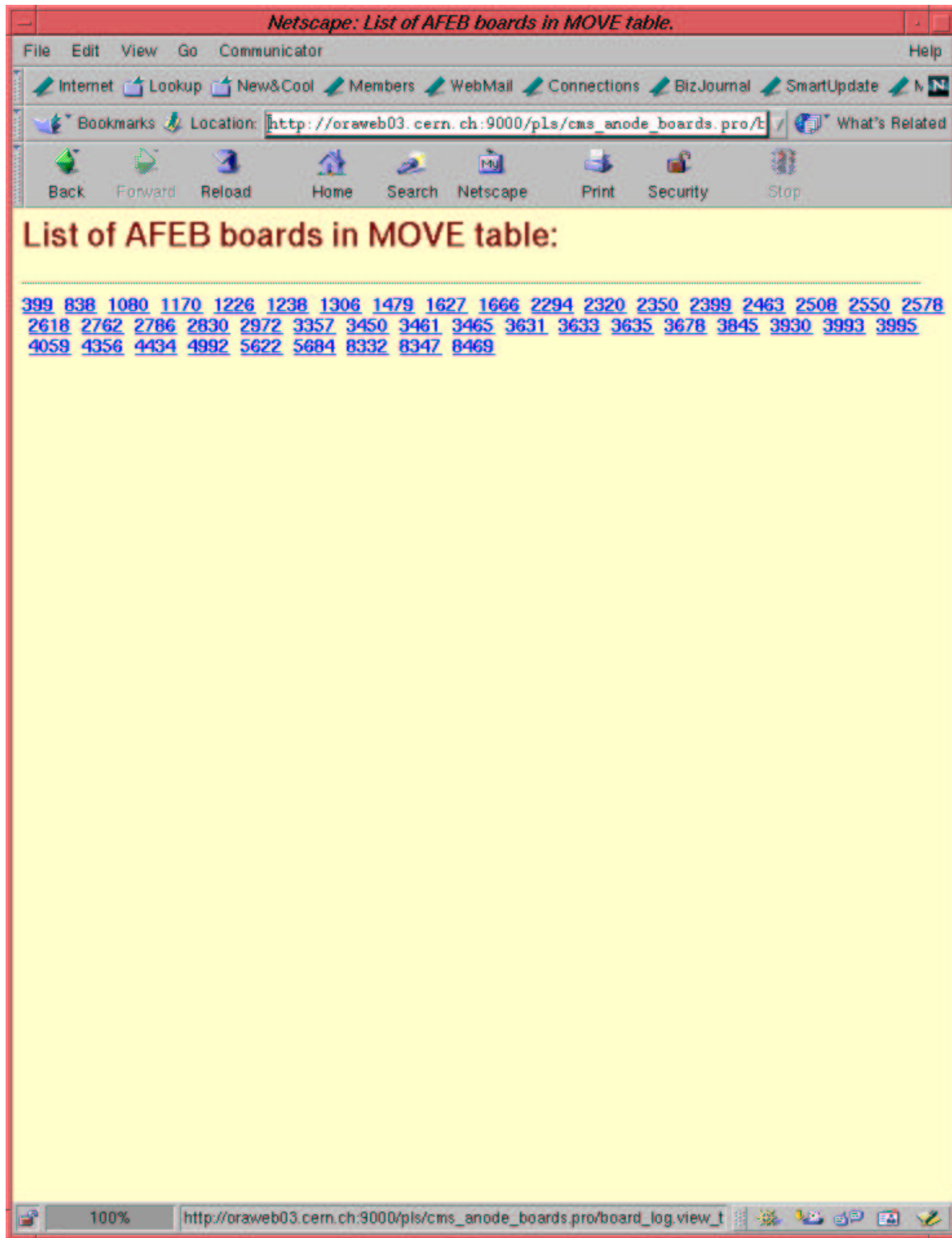
Number of returned AFEBs is small.

DB: AFEB-ALCT cables status

AFEB-ALCT cable flow

Month	ME23/2 Delivery	ME23/2 _UF_	ME23/2 UCLA	ME1/2 Delivery	ME1/2 IHEP	ME1/3 Delivery	ME1/3 IHEP	ME2/1 Delivery	ME2/1 PNPI	ME3/1 Delivery	ME3/1 PNPI	ME4/1 Delivery	ME4/1 PNPI
MAR-2001	8			9									
APR-2001	10			10				9					
MAY-2001	10			10				10					
JUN-2001	10			10				10					
JUL-2001			1										
AUG-2001		15	15										
SEP-2001	10			10		1		8					
OCT-2001	10			10		5				6			
NOV-2001	10			10		9				6			
DEC-2001		16	14						36				
JAN-2002	10			5		9				6	18		
FEB-2002	10				74	10				8			
MAR-2002	10					10	44			8	16		
APR-2002													
MAY-2002		12	10										
JUN-2002	10					10						1	
JUL-2002	0					0						0	
AUG-2002													
SEP-2002	0	0	0	0		0	9	0		0		0	
OCT-2002	40					20		1		4			
NOV-2002													
DEC-2002	0	31	34	0		0		0		0		0	
Made	148			74		74		38		38		1	
Needed	148			74		74		38		38		38	
Rest	0			0		0		0		0		37	
Shipped		74	74		74		53		36		34		0
Stored at FNAL	0			0		21		2		4		1	

Online tables with a status of AFEB-ALCT cables.

DB for skewclear cables

Cables Insert Form

Last record   6

Skewclear   530020005,   length 8,   left

23-FEB-2003

Date (action): `20-JUN-2002`   [Date sent: ` `]   [Date received: `26-JUN-2002`]

Action: `shipment`

Invoice: `225163`   Shipment: `203007`   Quantity: `53`

Skids: `3`   Cartons: `30`   Weight: `291`

Unit price: `229.14`   Price: `12144.42`

Site: ` `   Site_to: `ISR`

Source: `invoice`   Status: `whole`

Comment:

Insert

Is in progress.

DB: ISR Log-file
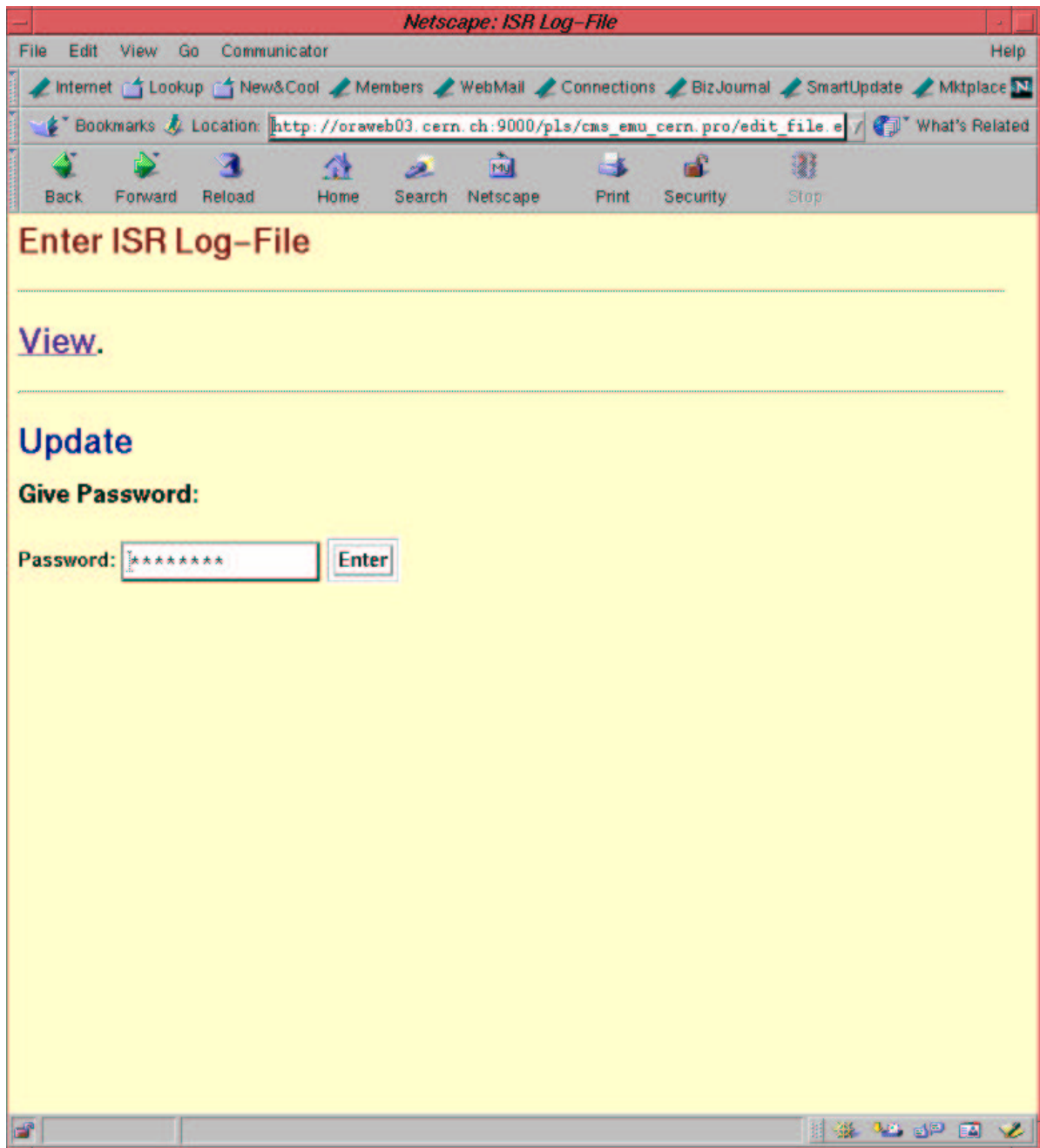
Attempt to introduce online log-file for ISR operations.

DB: ISR Log-file
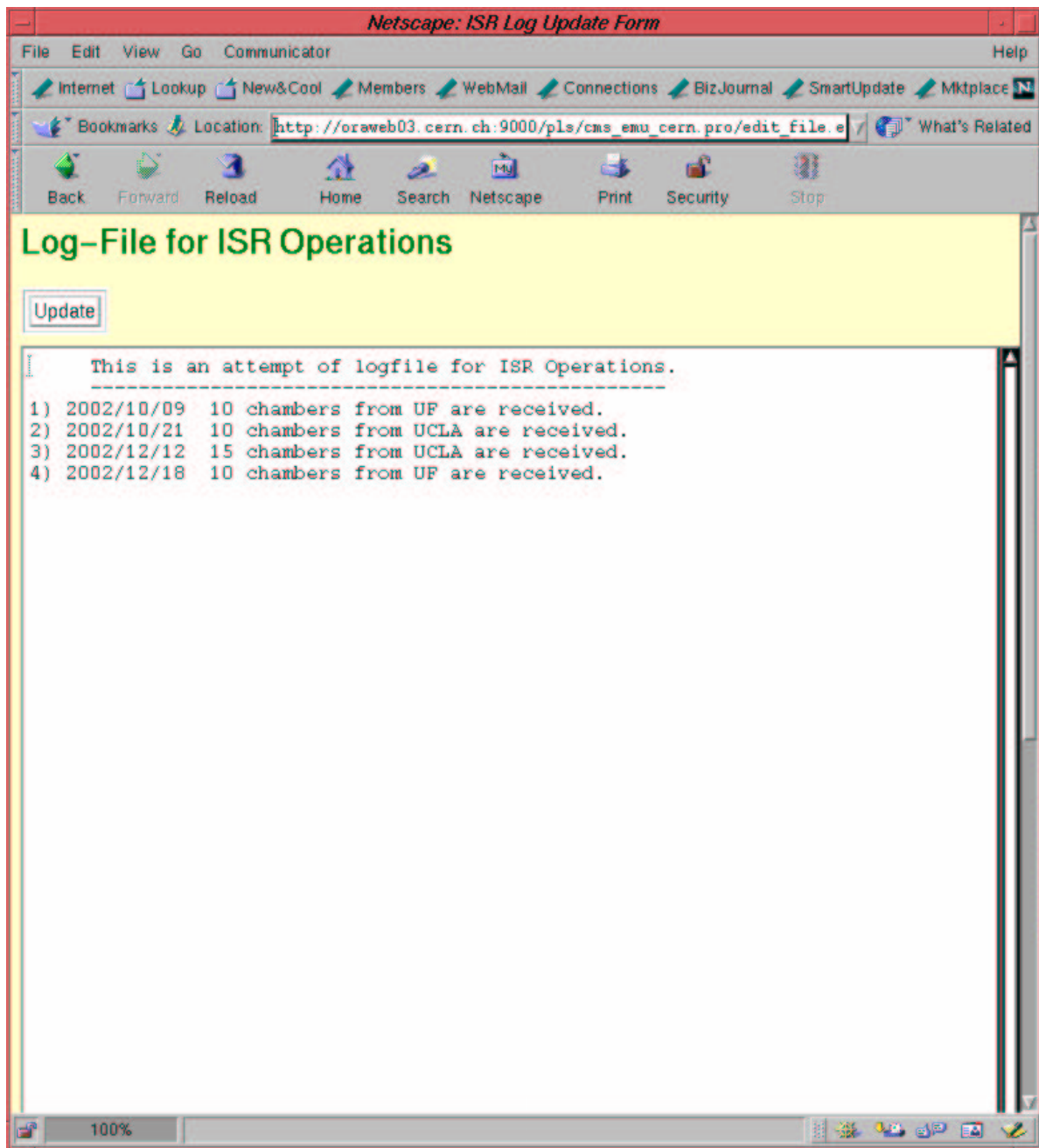
Should be filled regularly by people working at ISR.
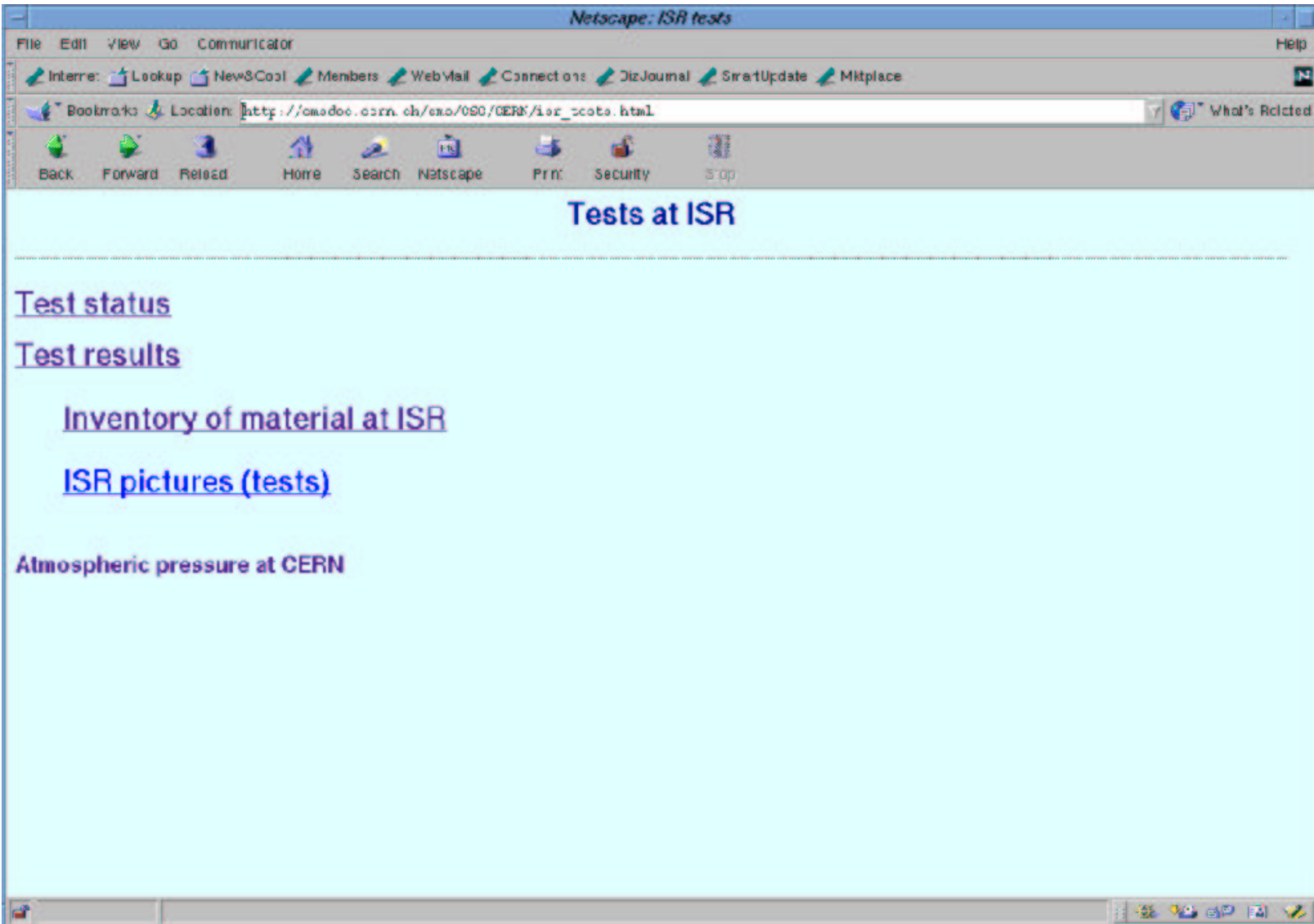
Web – Tests at ISR

URL address:
http://cmsdoc.cern.ch/cms/CSC/CERN/isr_tests.html

This page gives access to test results on Web and status of tests.

Web: Tests at ISR - status

URL address:
http://cmsdoc.cern.ch/cms/MUON/csc/fast/test_stat/status.html

Table of test status on Web.

Inventory on Web

URL address:
http://cmsdoc.cern.ch/cms/CSC/CERN/inventory/inventory.html
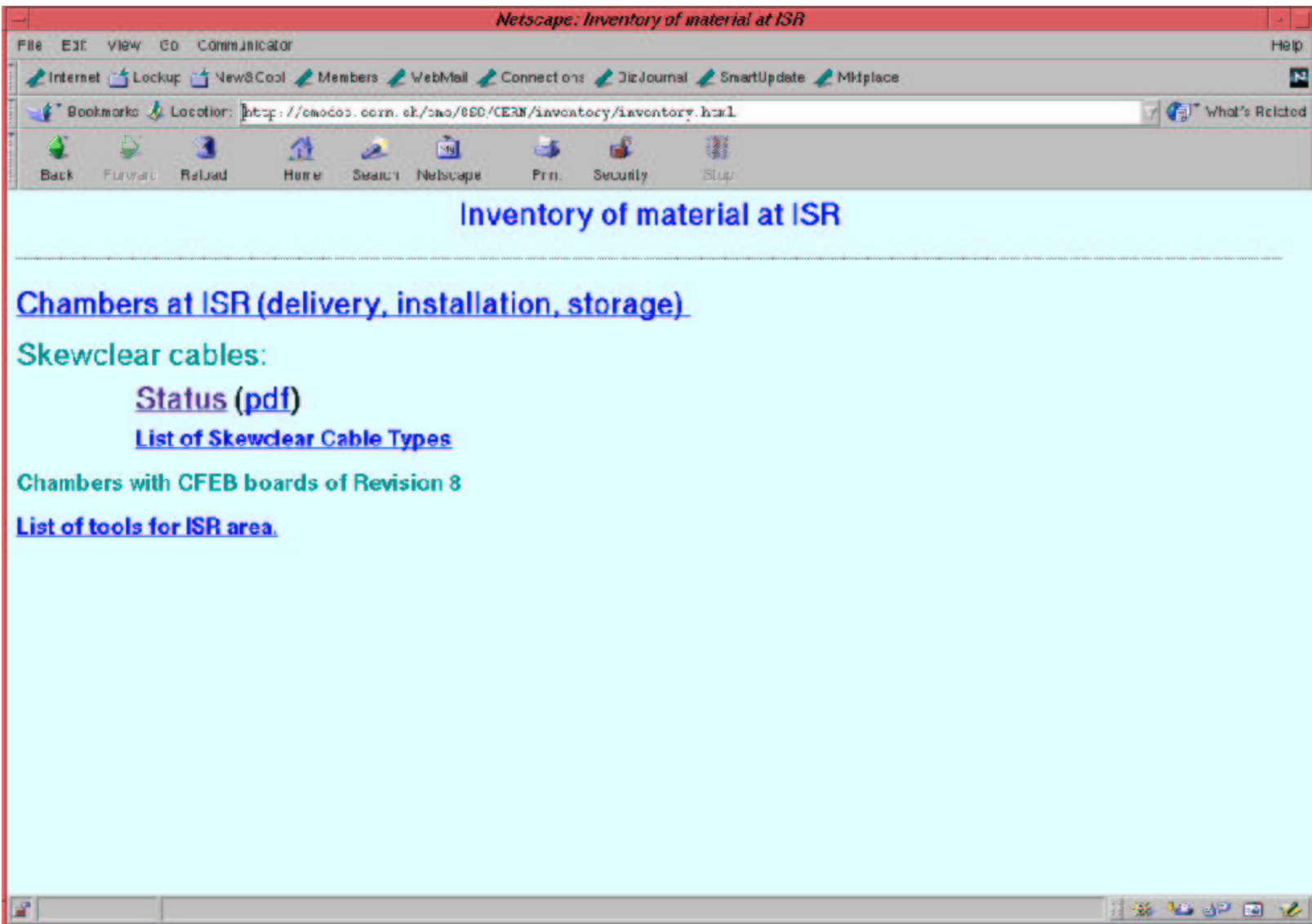
Web: CSCs at ISR (delivery, installation, storage)

Netscape: CSC storage at ISR

Delivery	ME234/2 [UF/UC]	ME2/1 (PNPI)	ME3/1 (PNPI)	ME1/2 (IHEP)	ME1/3 (IHEP)	Installation	Storage Sum	Big [UF/UC]	Medium (PNPI)	Small (IHEP)
09 Oct. 2002	+10						10	10		
21 Oct. 2002	+10 / 20						20	20		
12–18 Dec. 2002	+25 / 45						45	45		
01 Mar. 2003 (delay to ~mid-end of May)	18 / +10 / 27	10				17 Feb. 14 Mar. 2003	37	27	10	
01 Apr. 2003	−18 / +25 / 34					17 Mar. – 11 Apr. 2003	44	34	10	
		−9 / 1				14 Apr. – 25 Apr. 2003	35	34	1	
1 May 2003		+10 / 11		+18 / 18			63	34	11	18
		9 / 2				22 May 04 June 2003	54	34	2	18
	−18 / 16					05 June – 02 July 2003	36	18	2	18
01 Aug. 2003	+30 / 46	+18 / 20		+18 / 36			102	46	20	36
	−18 / 28					29 Aug. – 11 Sep. 2003	84	28	20	36
		−18 / 2 spare				12 Sep. – 25 Sep. 2003	66	28	2	36

URL address:
http://cmsdoc.cern.ch/cms/CSC/CERN/inventory/storage.html