

SUMMARY RECORD OF THE 47th MEETING OF TICTAC HELD ON THE 21. AUGUST 1986

Present: P. Coventry, M. Hoefert, H. Horisberger (Chairman), E. Jones, G. Le Dallic, S. Milner, J. Pasquali, B. Pincott, J.P. Quesnel, P. Riboni, R. Sherwood, R. Siegfried, S. Simpson, B. Williams (Secretary), E.J.N. Wilson, C. Zettler

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Action

1. RECORD OF THE PREVIOUS MEETING

1.1 Correctness

The record was accepted as correct.

1.2 Matters Arising

1.2.1. PR 1.2.1 CAD Layout: As the CAD operators are on vacation P. Riboni felt that the layouts being prepared by A. Lefèvre can be continued. ML will check their compatibility with the drawing number system and advise accordingly.

1.2.2. PR 1.2.2 Access to Kicker Amplifiers: S. Simpson reported that he is dealing with this question in conjunction with TIS.

1.2.3. PR 2.1 Target Zone Dismantling: Since the previous meeting it had been recognised that ST equipment and personnel might be used if necessary.

1.2.4. PR 3.1 Injection Line: R. Siegfried explained the recent innovations in the dog-leg cabling to allow for quadrupole removal and survey sight lines. TICTAC endorsed these changes.

1.2.5. PR 4.2 Target Zone Door: It had been seen that this door would not be useful in the access gallery, and hence would be available for eventual use in the hall.

2. TARGET ZONE STATUS

2.1 G. Le Dallic drew attention to the scheme to ventilate air from the target zone towards the hall. H. Horisberger noted that this represented a contradiction to the previous requirement to keep the shielding wall between target zone and hall as tight as possible. It was generally felt that A. Sullivan should be asked to consider this scheme.

A. Sullivan

2.2 It was recognised that the beam tube passing through the shielding wall should be available for when the wall is constructed - in week 47.

F. Gamba

2.3 G. Le Dallic explained the need to have a radiation monitor at the target zone entrance during the dismantling phase. B. Williams added that this place could be made by the rapid removal of the targets in the block house and its subsequent early removal.

REPORT ON M.L. GROUP ACTIVITIES

- 3.1 P. Riboni introduced this topic by reporting on the recent evolution of the AC-AA transfer line design. R. Sherwood questioned the common support philosophy. It was generally felt that space limitations made other solutions difficult. A series of transparencies showed just how crowded the zone is, and schemes showing a support beam 4.6 m long and another of 7.0 were presented. P. Riboni proposed that a small meeting be called to discuss and decide on the design options.
- 3.2 For the time scale some 12 man weeks would be required to complete detail design. P. Riboni was asked to ensure the availability of all transfer line components for the end of January 1987.
- 3.3 All other, ACOL related, drawing office activities were covered with a brief status report on design - ordering - fabrication. Installation drawings, in 8 sectors, are in progress. The "plans de perçage" for the whole machine will be available at the beginning of October 1986.
- 3.4 On the question of beam position pick-ups, H. Horisberger stressed the need to respect the quadrupole installation.
- 3.5 The bus-bar tenders would be opened 1 September. Handling difficulties are now becoming apparent. B. Pincott and B. Williams were asked to discuss these problems.
- 3.6 P. Riboni concluded by noting that 50% of the PS workshop effort was currently devoted to ACOL.

P. Riboni

B. Pincott
B. Williams

4. REPORT FROM INSTALLATION COMMITTEE

- 4.1 H. Horisberger had, to date, chaired 3 meetings of this committee. He explained that henceforth meetings of the Installation Committee will be held at 09.00 h on Tuesday mornings in the PS Auditorium. TICTAC meetings will maintained at one per month.
- 4.2 A full time guardian, posted at the top of the ramp, had been provided with a suitable cabin. His duties would include the opening of access gates and doors prior to workforce arrival, and the locking at night. As well as the control of traffic on the ramp. He would also be asked to ensure that everyone entering the hall, via the ramp, was equipped with a safety helmet.
- 4.3 H. Horisberger proposed that the note on "Radiation Precautions for ACOL Installation" (19 August 1986 - A. Sullivan, C.D. Johnson) be circulated to the TICTAC list, attached herewith, and to Installation Committee members.
- 4.4 TIS had sent word that Messrs C. Mutschler and D. Campi would be, respectively, TIS representative to the Installation Committee and TIS representative for Technical Details for ACOL.

B. Williams

5. INSTALLATION MEETING

- 5.1 B. Williams reported that he had circulated some 50 copies of the

up-dated Installation Planning (Issue A). He gave an overview of the activities changed since the original issue. The shut-down would start the following Monday and the necessary equipment and manpower would be in position to remove, for modification, the delicate, critical path, item KFI 03, and its neighbour KFI 04.

At a recent "Transport" meeting chaired by D.C. Fiander, the future divisional requirements in ST-provided manpower had been discussed. A certain flexibility would have to be maintained but, in principle, 5 people would be permanently posted to the ACOL project.

6. MISCELLANEOUS

6.1 Access to hall

The necessary keys have been given to the guardian. However, the key PS int. 11 will not be left with him. The two PS int. 11 cylinders will be temporarily removed from doors 301 and 302 and used to equip the target zone access doors.

G. Le Dallic

6.2 Emergency Stops

J. Robert had confirmed that one emergency stop will be kept alive near the entrance door to 193 during the time the loops have to be interrupted.

7. NEXT MEETING

The next meeting of TICTAC will be held at 14.30 h on **Thursday, the 18th September in the Large PS Conference Room.**

B. Williams

PS RADIATION SAFETY**RADIATION PRECAUTIONS FOR ACOL INSTALLATION**

The radiation levels around the AA ring are sufficiently low that building 193 can be generally considered a Surveyed Radiation Area*, but will require that high dose-rate regions are marked out as controlled areas where and when necessary.

Film badges will only be obligatory for working inside these controlled areas, which will initially contain the AA injection line and injection region.

All material coming out of the AA hall should be checked for radioactivity with the equipment provided.

The CERN responsible must inform contractors personnel of the radiation situation inside hall and assure that they respect the warning signs and barriers.

If further information is required or doubt exists contact the R.P. technician:

J.M. Hanon	4505	13-1111
A. Muller	2016	13-1151
C. Renaud	2488	13-1110
E. Barbe	2639	13-1112



C.D. Johnson



A.H. Sullivan

* See page 12 of CERN Radiation Protection Manual.

Distribution

AA Group
Persons cited