

# Infrastructure-Timing

The Third LHC Controls Project  
Workshop21-22/3/2002

April 02

Gary-LHC-CP3-Timing

1

# Timing-Infrastructure

- Assumptions
- Extension to SPS Timing System
- New Technologies Required
- Systems (Users)
- LHC UTC Time

April 02

Gary-LHC-CP3-Timing

2

# Assumptions

- LHC Timing will not be required.
- The Present SPS Timing System will be Extended. This includes:
  - GMT
  - Pre-Pulses
  - Revolution Frequency

April 02

Gary-LHC-CP3-Timing

3

# New Technologies Required

- None
  - Will re-use the existing SPS equipment. This includes optical transmitters/receivers using multi-mode fibres. Local copper distribution and TG8 timing modules.

April 02

Gary-LHC-CP3-Timing

4

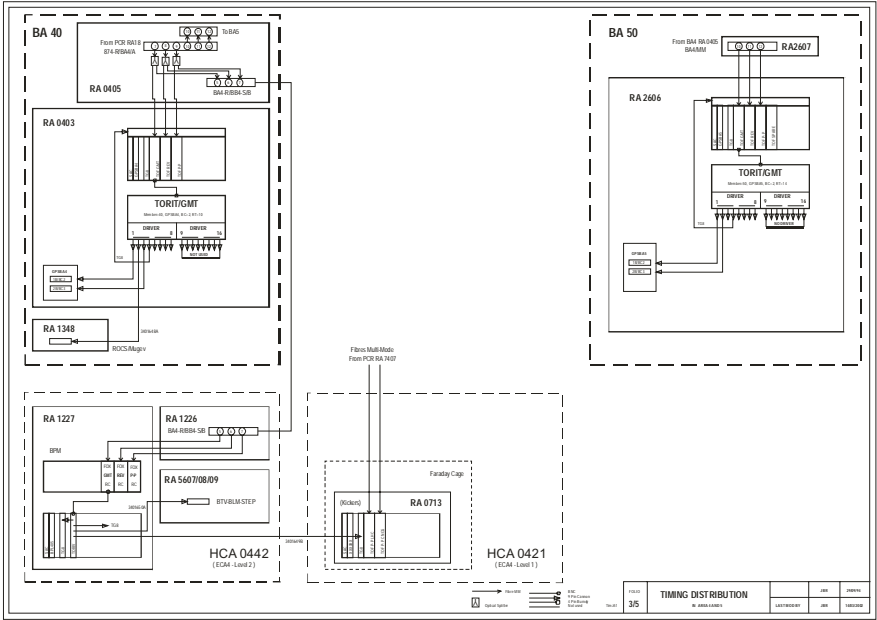
# Systems (Users)

- Kickers
  - Etienne Carlier
- ROCS/MUGEV
  - Quentin King
- BTV-BLM-STEP
  - Gianfranco Ferioli
- BPM
  - Rhodri Jones

April 02

Gary-LHC-CP3-Timing

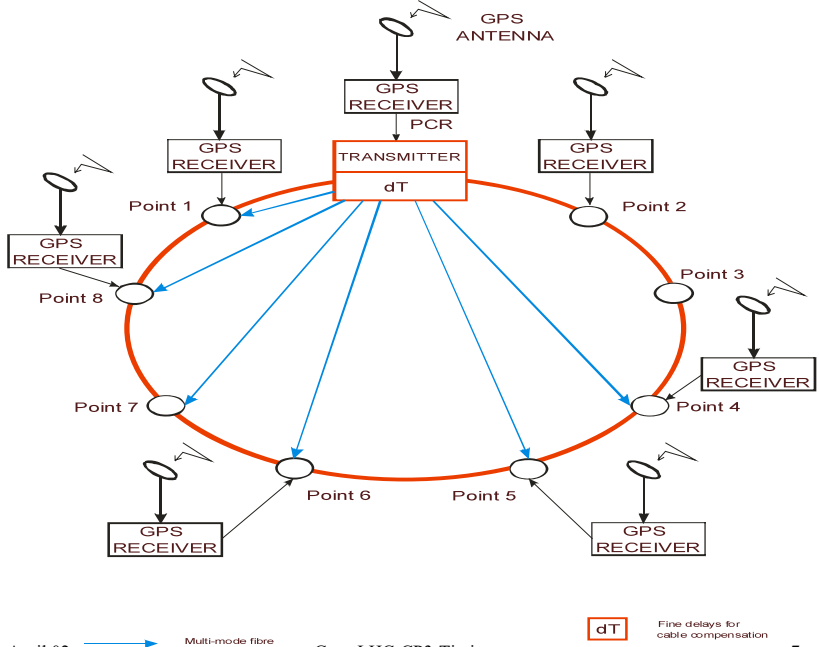
6



April 02

Gary-LHC-CP3-Timing

5



April 02

LHC DATE TRANSMISSION TEST

Gary-LHC-CP3-Timing

7