

**F2F Mtg.
Aug. 3, 2011**

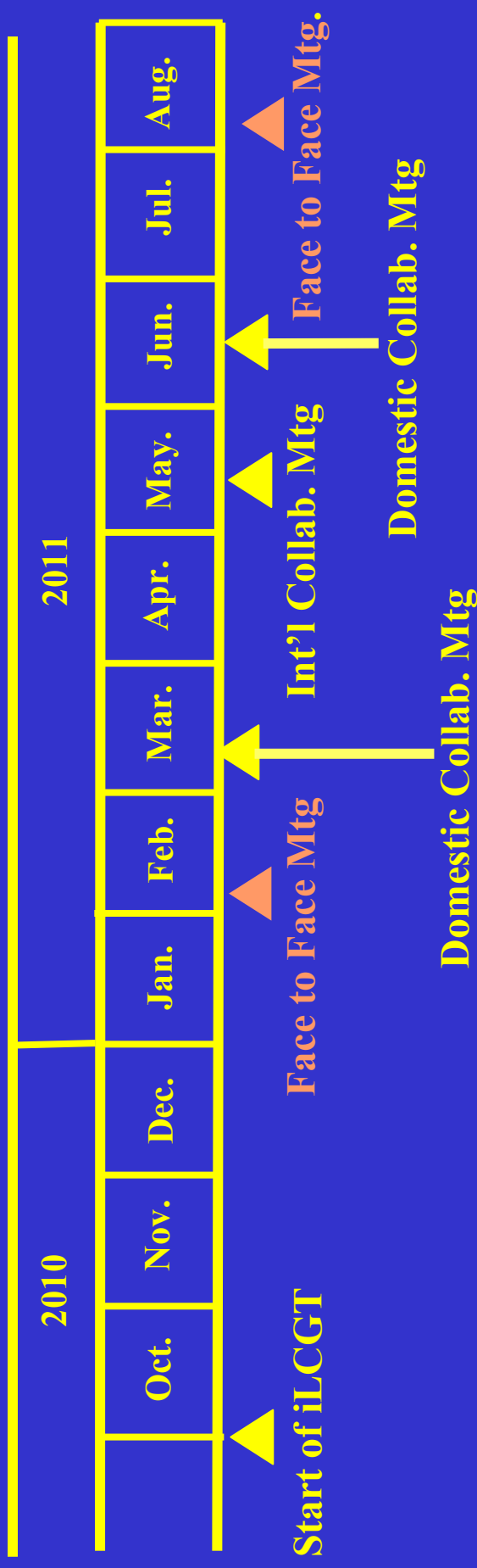
Project Status

I.Nakatani

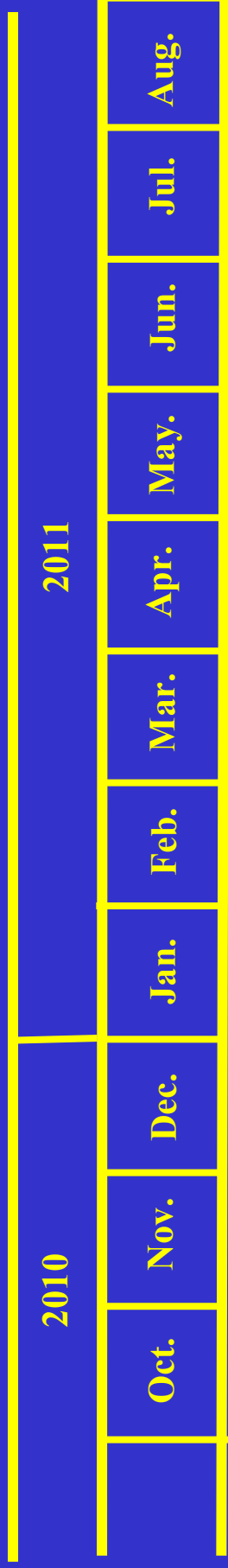
SESSION STRUCTURE

15:00-17:25	Project Management (chair: I.Nakatani)	
	Project Status	I.Nakatani [15min]
	Budget Status	M.Obashi [10min]
	External Review	S.Kawamura [20min]
	Schedule	M.Ando [20min]
Break 16:05~16:25		
	Interface Control Document	K.Somiya [20min]
	Layout	S.Miyoki [20min]
	Document Management	O.Miyakawa [20min]

COLLABORATION MTGS IN 2011



REVIEWS



Start of iLCGT



Internal Reviews



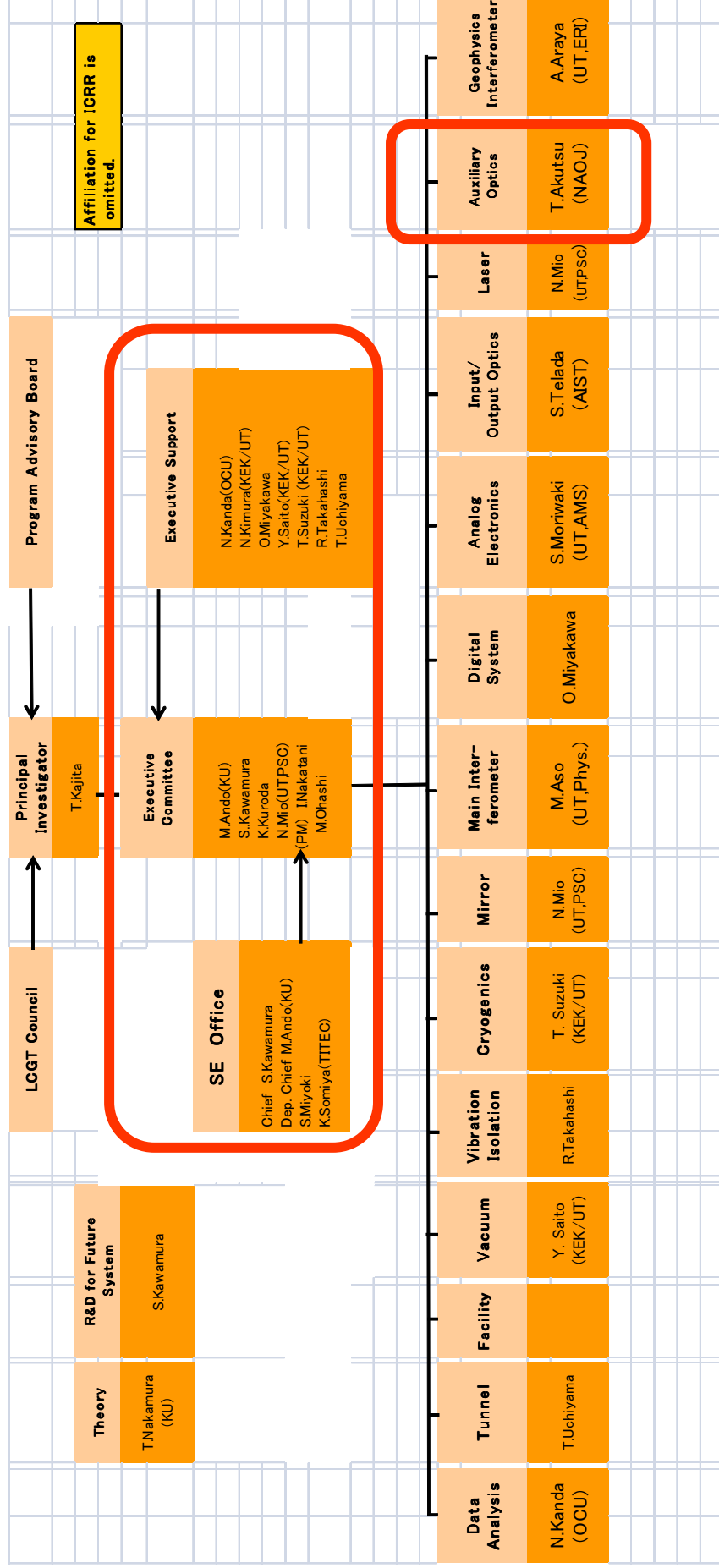
External Review

Program Advisory Board
Review

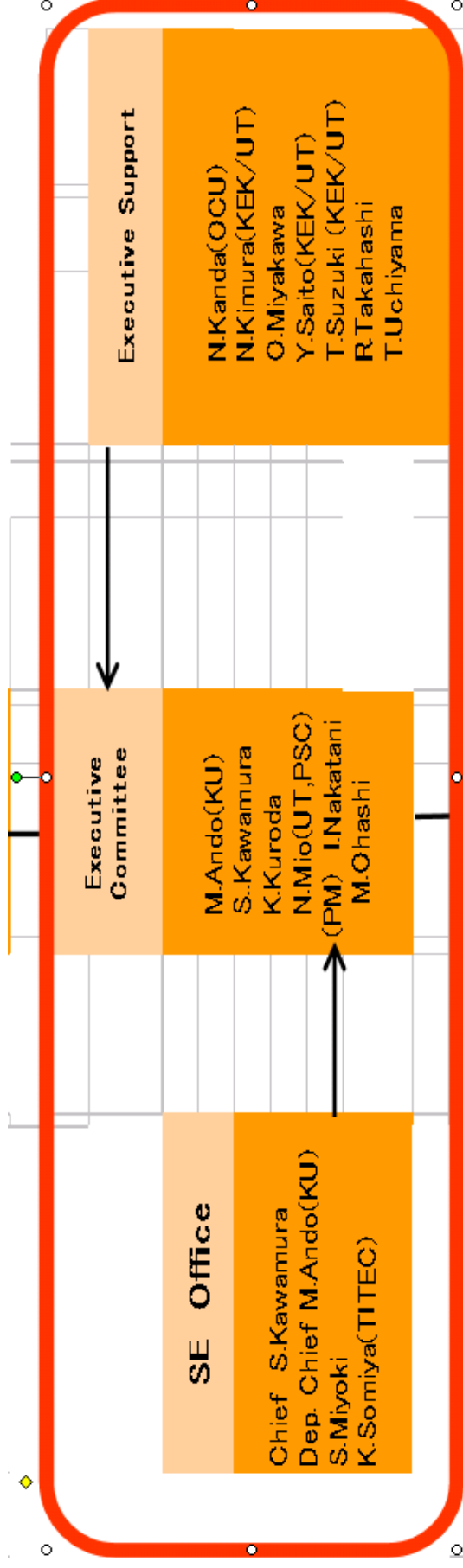
MAJOR ACTIVITIES

- **Start of the FY'11 budget delayed**
 - ⇒ **tunnel excavation delayed**
- **Establishment of new teams**
 - ⇒ **1. System Engineering Office (SEO)**
 - ⇒ **2. Auxiliary Optics Subgroup (AOS)**
- **External Review : Feb.28 - Mar.4, 2011**
 - ⇒ **Final Design Review for iLCGT**
 - ⇒ **Preliminary Design Review for bLCGT**
- **Program Advisory Board Review : Jun.21 - 22, 2011**
 - ⇒ **Report under preparation by board members**
- **Taskforces:**
 - ⇒ **Roadmap (M. Ando)**
 - ⇒ **Interface Control Document (K. Somiya)**
 - ⇒ **Layout (S. Miyoki)**
 - ⇒ **Schedule & Optics Budget (M. Ando)**

Enhancement of LCGT Organization



Management Structure



SEO (System Engineering Office) is in charge of checking, implementing and evaluating the LCGT project activities through looking over **the whole system** from the scientific, technical and strategic viewpoints thus supporting the Project Manager in leading the project to success.

Executive Support Group assists Executive Committee members in managing the project. (**Document Management** has specifically been assigned to O.Miyakawa.)

Establishment of Auxiliary Optics Group



Auxiliary Optics Group is in charge of coordinating the tasks of the auxiliary optics with the other LCGT subgroups

Auxiliary Optics Group – cont'd

- covering the design, engineering, procurement and fabrication of the auxiliary optics that physically, logically and consistently glue the main parts of the interferometer together and adjust the gaps among them

Document

1) Prime Documents

2) Milestone Documents

3) Ad hoc Documents

Document Management

=>Executive Support Group (O.Miyakawa)

Document

- ➔ **1) Prime Documents**
- 2) Milestone Documents**
- 3) Ad hoc Documents**

Prime Documents

- updated as frequently as practical
- open to the LCGT collaboration
- written in English
- limited to the following 4 documents
 - 1) LCGT Design Document
 - 2) LCGT System Engineering Management Document (SEMP)
 - 3) LCGT Interface Control/Configuration Management Document (ICD/CMD)
 - 4) Environment and Safety Management Document

Document

1) Prime Documents

→ 2) Milestone Documents

3) Ad hoc Documents

Milestone Document

- issued at major milestones
- not updated (with the exception of correction of errors)
- open to the LCGT collaboration
- written in English
- examples :
 - 1) Preliminary Design Documents
 - 2) Final Design Document
 - 3) Official Agreement with other Institutes

Document

- 1) Prime Documents
- 2) Milestone Documents
- ➡ 3) Ad hoc Documents

Ad hoc Document

- shared by some of the Working Groups and management
- all the following items are up to each of the document author(s):
 - 1) to which group(s) the document is open
 - 2) how often it will be updated
(if it is to be updated at all)
 - 3) in which language it is written
- examples :
 - 1) handouts at major interface meetings
 - 2) copies of power point for conferences
 - 3) copies of power point for internal reviews
(Type A reviews)

end

APPENDIX

REVIEWS

- (1) Type A: Internal Peer Review
Nov. '10 – Feb. '11 : more than 20 reviews
for each of the subsystems
- (2) Type B: External Review by External Peers
Feb.28 - Mar.4, 2011 (FDR* or CDR**)
- (3) Type C: Program Advisory Board Review

* Final Design Review

** Critical Design Review

APPENDIX

Auxiliary Optics Group

- in charge of coordinating the tasks of the auxiliary optics with the other LCGT subgroups
- covering the design, engineering, procurement and fabrication of the auxiliary optics that physically, logically and consistently glue the main parts of the interferometer together and adjust the gaps among them
- Current AOS tasks include the following:
 - (1) beam baffles for stray lights
 - (2) beam transmission telescopes (transmit IR/Green beams)
 - (3) visible/IR monitors inside the vacuum chambers (CCD cameras or equivalents)
 - (4) optical levers
 - (5) viewports on vacuum chambersetc...