Outcome of the group discussions to the following five topics:

**Astronomy**
What astronomy expects:
- Stable reference frame in multiple wavelengths appropriately updated
- Close cooperation of IERS in establishing policy
- Dynamical reference frame including tie to bary center
- Improved flow of information

What IERS provides:
- Radio reference frame
- IERS conventions

Deficiencies:
- Policy for updating and procedure
- Reference frame at other wavelength [Input to IAU]
- Representation of Almanac in IERS conventions [Conventions Editorial Board]
- Continuity of dynamic reference frame [Input IAU]
- FAQ’s, bibliographical information [IERS CB]
- Continuity of LLR observation [requirement for IERS products, responsible ILRS]

**Technique Centres**
Analyses Topics:
- Ocean loading: TC expect IERS recommends 1 model, TC should apply this model.
- Atmospheric pressure loading: TC expect:
  science (final): deformation values, \( \Delta t = 6 \) h, time delay = max. 7 days, ideally for each station,
  alternative: grid + interpolation tool, backwards to old datasets, operational (rapid): regression formulation + reference pressure + pressure reading
- Updated IERS conventions where needed (chapterwise)

Products:
- Geocentre offered by TCs [R. Noomen, M. Feissel, R. Ferland via ftp]

Network:
- TC expect:
  IERS recommendations to stimulated co-location GPS @ SLR, VLBI, DORIS, Co-located sites consult IGS, explore DORIS coll. @ VLBI, SLR, barometer comparison, need for ITRF 2000 A – new data after 12/99

**Gravity & Geophysical Fluids**
- Closer contact to missions (in advance)
- Reference System
  POD (precise orbit determination): CRF, TRF 4 D, EOP all consistent, Geocentre Variability (l=1 term) (not sensitive for rotation but stations & GPS
position solution),
Static gravity field: improved SLR – altimeter satellite orbits,
State of the art conventions (update + consistency + long term variability).

- Temporal gravity field variations
  combination of CHAMP / GRACE with SLR requirements,
  time series of I=1, I=2 terms rel. to reference frame,
  geophysical fluids: de-aliasing (gravity, altimeter),
  forward modelling (validation, understanding),
  Goal: assimilation of gravity results, tie and connection with Conventions

- IERS – IGFS (ICGG) representative at the IERS DB to ensure compatibility,
  consistency (standards) of used models,

- Co-location in space, combined high / low satellite processing (flying station).

**Combination**

- Organization + structure

  Creation of WG on Combination
  Chair: AC
  Members: 1 reps. PC (EOP, Rapid, ICRF, ITRF, Conventions), 1 reps. of each TC, 1 rep. CRC, 1 rep. Collocation Site information WG,

- Task of WG
  Coordination
  Guidelines / Definition for rigorous combination document
  Input for combination
  Product specification (routine + past (old) data sets)
  Prepare call for participation
  Handling / guidelines of site problems
  Validation issues

- Schedule
  Constitution of WG till May 01, 2003
  Call for Participation, end of June
  Response: Sept. 15, 2003
  Evaluation: Begin of October
  Start of pilot project: January 2004

**IGGOS**

- IERS agrees and approves the visions, goals, missions of IGGOS,

- IERS should take an active, even leading role in IGGOS,

- IERS presently (already) offers/contributes as level 2 service
  (dealing with at least 2 pillars of IGGOS [reference systems, Earth rotation]
  + conventions + consistencies + geophysical fluids + IERS CB (data base, management, ....)

- IERS contribution:
  Reference frames
  Conventions
  Co-location
  GGFC
  Cooperation with IGFS (ICGG)