Channel Modelling Ad Hoc

Task 1 – Fiber Model
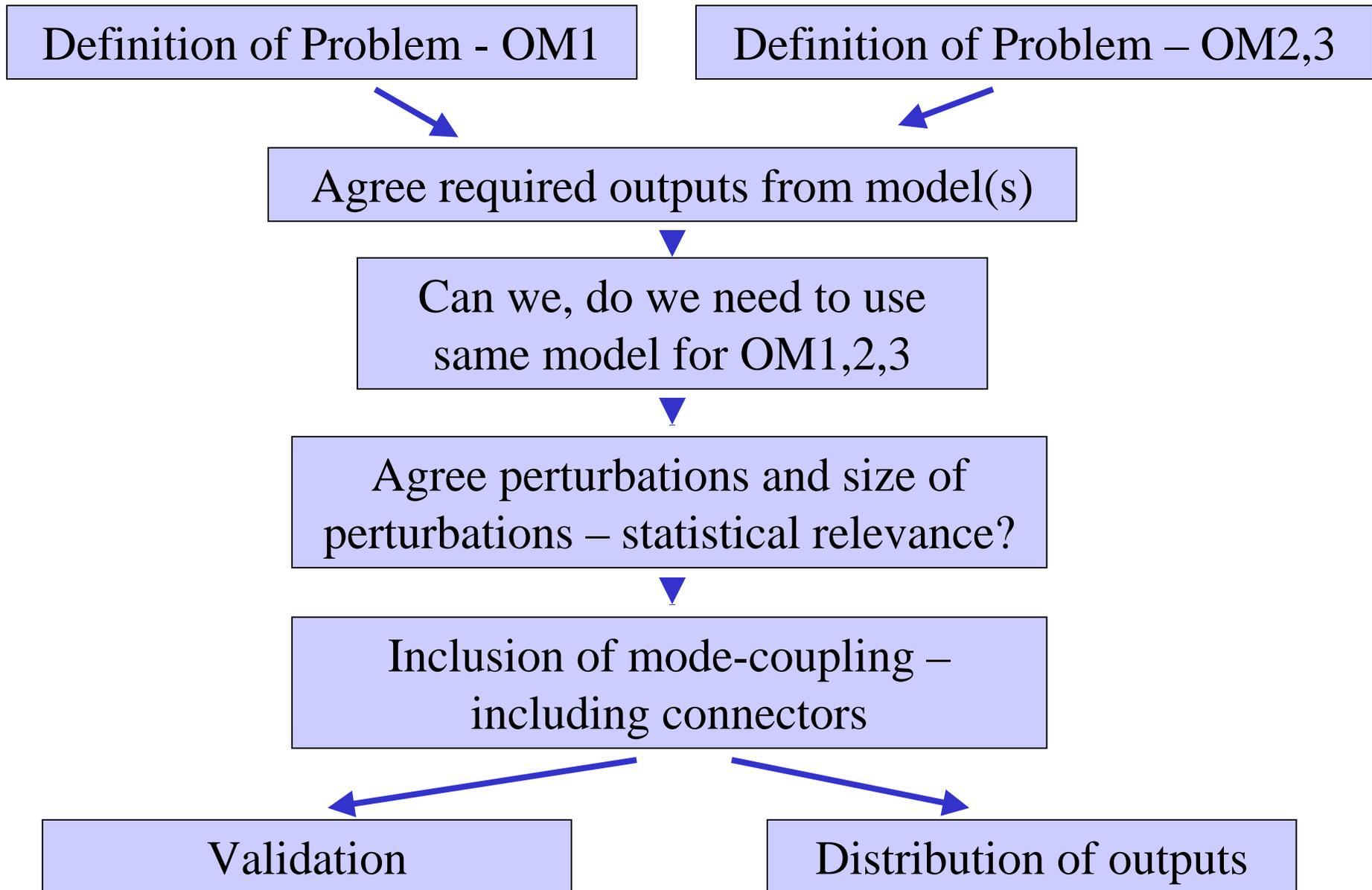
Participants:

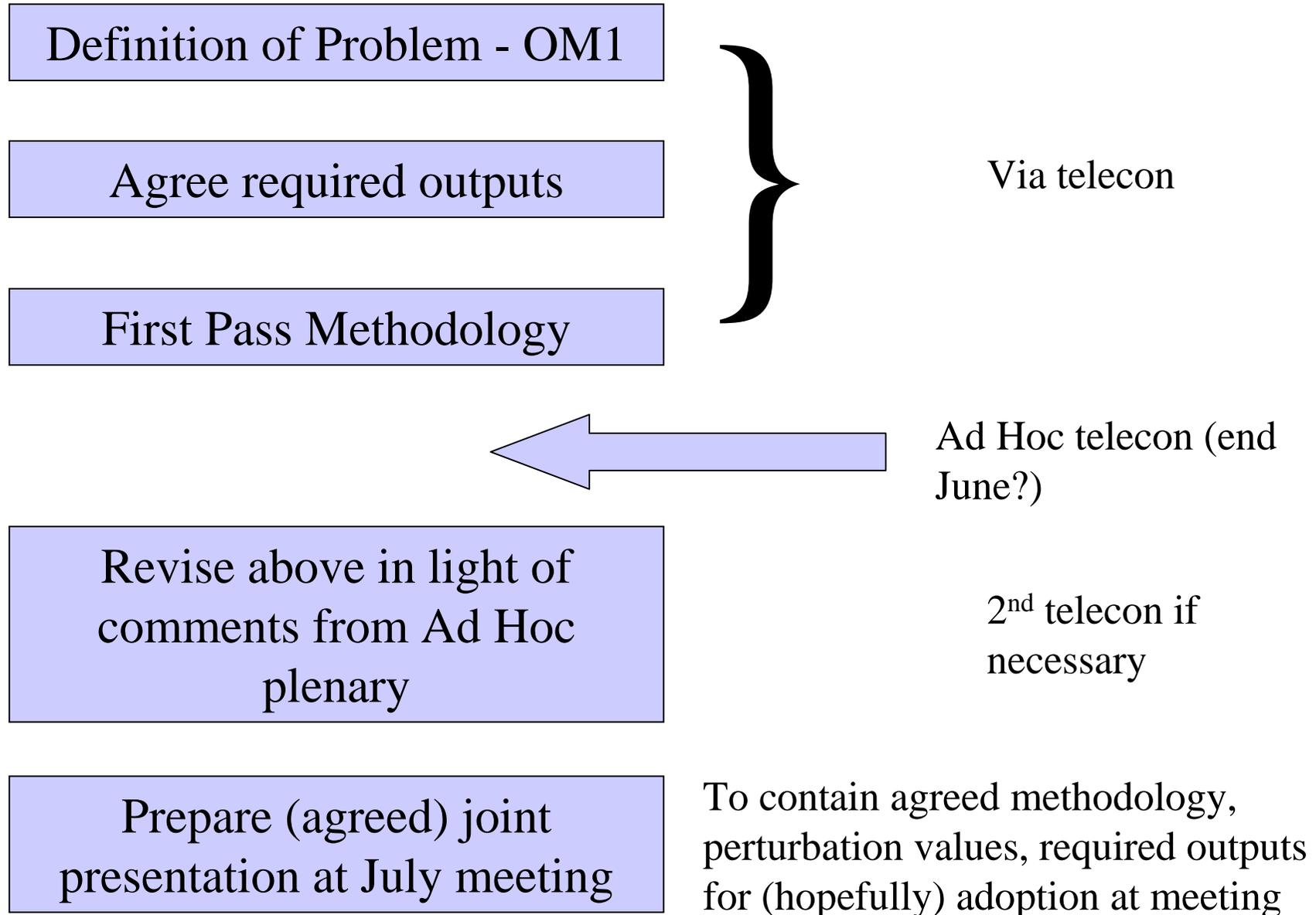|	
Paul Kolesar	Systimax
Lars Thon	Auluros
John Abbott	Corning
Petre Popescu	Quake
David Cunningham	Agilent
Yi Sun, John George	OFS
Yu Sum	Optium
Jim Morris	DOC
Sudheep Bhoja	Big Bear
Abhijit Shanbag	Scintera
Petar Pepeljugoski	IBM
Richard Penty, Jonathan Ingham	University of Cambridge
Anybody else ????	

Required Activities

- What is the "worst case" fiber model for OM1?

- What is the "worst case" fiber model for OM2, OM3?

- What are the required outputs for other aspects of Ad Hoc, for Task Force?

    - Modal delay times, refractive index profiles, index perturbations etc

- Agree perturbations, size & statistics of perturbations

- Inclusion of mode coupling along link and at connectors

- Anything else?

Suggested Flow Chart for Task 1 Activities

Definition of Problem - OM1	Definition of Problem – OM2,3

Agree required outputs from model(s)

Can we, do we need to use same model for OM1,2,3

Agree perturbations and size of perturbations – statistical relevance?

Inclusion of mode-coupling – including connectors

Validation	Distribution of outputs

Suggested Timeline for July Meeting

Definition of Problem - OM1

Agree required outputs

} Via telecon

First Pass Methodology

⬅ Ad Hoc telecon (end June?)

Revise above in light of comments from Ad Hoc plenary

2nd telecon if necessary

Prepare (agreed) joint presentation at July meeting

To contain agreed methodology, perturbation values, required outputs for (hopefully) adoption at meeting

Immediate Tasks

- Confirm participation in Task 1

    - please remove/add yourself to list by e-mailing Richard Penty

- Agree date/time for interim telecon

    -suggested Weds 23/6 or Mon 28/6

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