Energy Efficient Safe SHip OPERAtion

Identification of cases to be investigated

WP6

Dr T. Karayannis, Lloyd’s Register
Agenda

- WP6 & T6.1 overview
- Proposals on cases to be investigated
- Action plan
Task 6.1 Identification of cases to be investigated

- M 09 → 12*

* plus M1 → 3 following KoM

Task 6.2 Case studies

- M 13 → 31

Task 6.3 Evaluation of case studies

- M 30 → 33

Task 6.4 Assessment and analysis of project results

- M 31 → 35
T6.1 overview

- T1.2
- T5.3

D6.1 [M12]
Definition of case studies

T6.2
High-level criteria:
- Vulnerability
- Representativeness
- Variability of each ship type
- Link to current EEDI regulations
- Propulsion system characteristics

Detailed criteria:
- Deadweight (loading condition)
- Block coefficient
- Immersed rudder area
- Above waterline area
- Water entry angle (i.e. stem)
Agreed on 16/17-Jan-14 SHOPERA PMC meeting

WP6 – Application / Case Studies

Task 6.2 – Case Studies

Updated list of ship types to be investigated

| Subtask 6.2.1 | • Bulk carriers |
| Subtask 6.2.2 | • Containerships |
| Subtask 6.2.3 | • Tankers |
| Subtask 6.2.4 | • Cruise ships |
| Subtask 6.2.5 | • Ro-Ro ferries |
| Subtask 6.2.6 | • Ro-Ro cargo ships |
| Subtask 6.2.7 | • General cargo ships |
| Subtask 6.2.8 | • Car carriers |
| Subtask 6.2.9 | • LNG carriers |
| Subtask 6.2.10 | • LPG carriers |

Notes:

Assignment of Subtask leaders to be finalised shortly.

Composition of design teams for each Subtask, detailed definition of case studies for each ship type, and distribution of T6.2 effort allocation across the various Subtasks, to be determined at a later stage.
Identification of case studies
(T6.1, M1→M3 & M9→M12)

- Confirm high-level list of ship types and sizes by M6 PMC meeting
- Detailed definitions and composition of design teams during ‘normal’ T6.1 duration (M9→M12)
Action plan
(M4 → M6 → M12)

M4 (Jan ‘14)
PMC meeting
Athens
- High-level decisions on list of case studies

M6 (Mar ‘14)
PMC meeting
Oslo
- Formal confirmation pending any further discussion

M9 → M12 (Jun–Sep ‘14)
Plenary mtg
Hamburg
- Detailed definition of case studies

M13 (Oct ‘14)
- Start case studies!
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