INTAS

Industrial and Tertiary Product Testing and Application of Standards (INTAS)

2nd National Focal Point meeting

- Conclusion of Second Phase -

Co-funded by the Horizon 2020
programme of the European Union

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Timetable

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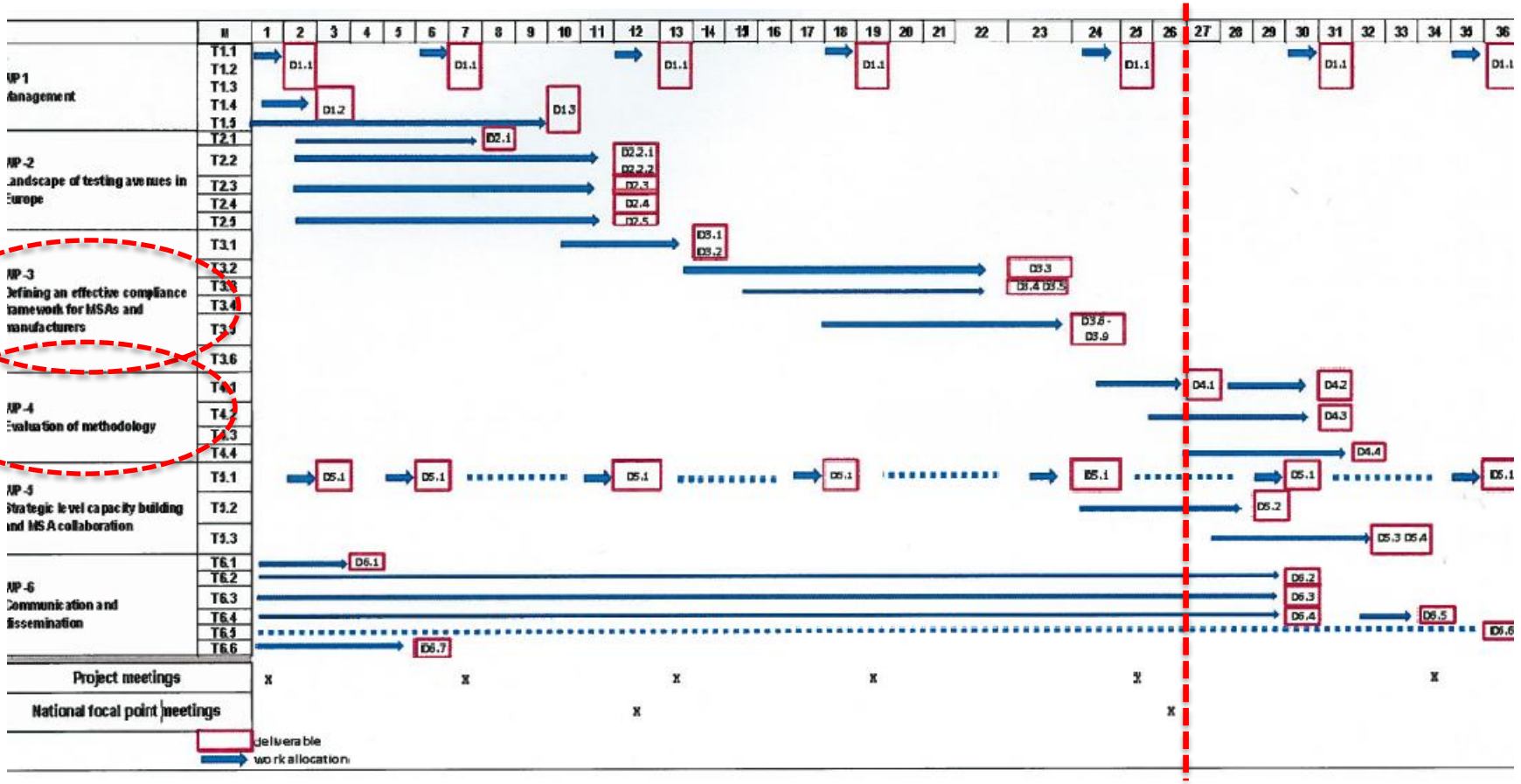

Progr meeting – Lisboa (27-28 mar 017)

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- INTAS presentation
- Outcome of the 1st NFP meetings
- Outcome of WP3
- Outline of WP4
- Outline of WP6
- Questions to be discussed

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INTAS in numbers

1.

- European project (Horizon 2020 - Energy Efficiency)
- Active from March 2016 to February 2019
- 16 partners, including:
  - National MSAs and National focal points (11)
  - Cooperating organisations at European level (5)
- Advisory board (MSAs, Industry associations, etc.)
- Budget: ca. 1.9 million Euros (incl. product testing)

Website: www.intas-testing.eu/about-project/team-and-contacts

INTAS key goals

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- Support European Member State MSAs deliver compliance for large industrial products:
  - Fans
  - Power transformers
- Support the industry to be sure of what their obligations are under the Ecodesign Directive and to deliver compliance
- Foster a common European approach to the delivery and verification of compliance for these products

Project partners

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Europe: WIP – Renewable Energies, European Environmental Citizens' Organisation for Standardisation, European Copper Institute, Engineering Consulting and Design, Waide Strategic Efficiency

Austria: Austrian Energy Agency

Belgium: Federal Public Service Health, Food Chain, Safety and Environment

Czech Republic: SEVEn Energy Efficiency Center

Denmark: Danish Technological Institute

Finland: Finnish Safety and Chemicals Agency

Italy: Italian National Agency for New Technologies, Energy and Sustainable Economic Development

Poland: The Polish Foundation for Energy

Portugal: **DGEG-Directorate General of Energy and Geology; ASAE-Economic and Food Safety Authority**

Romania: Romanian Regulatory Authority for Energy

Spain: Foundation for the Promotion of Industrial Innovation

Management structure

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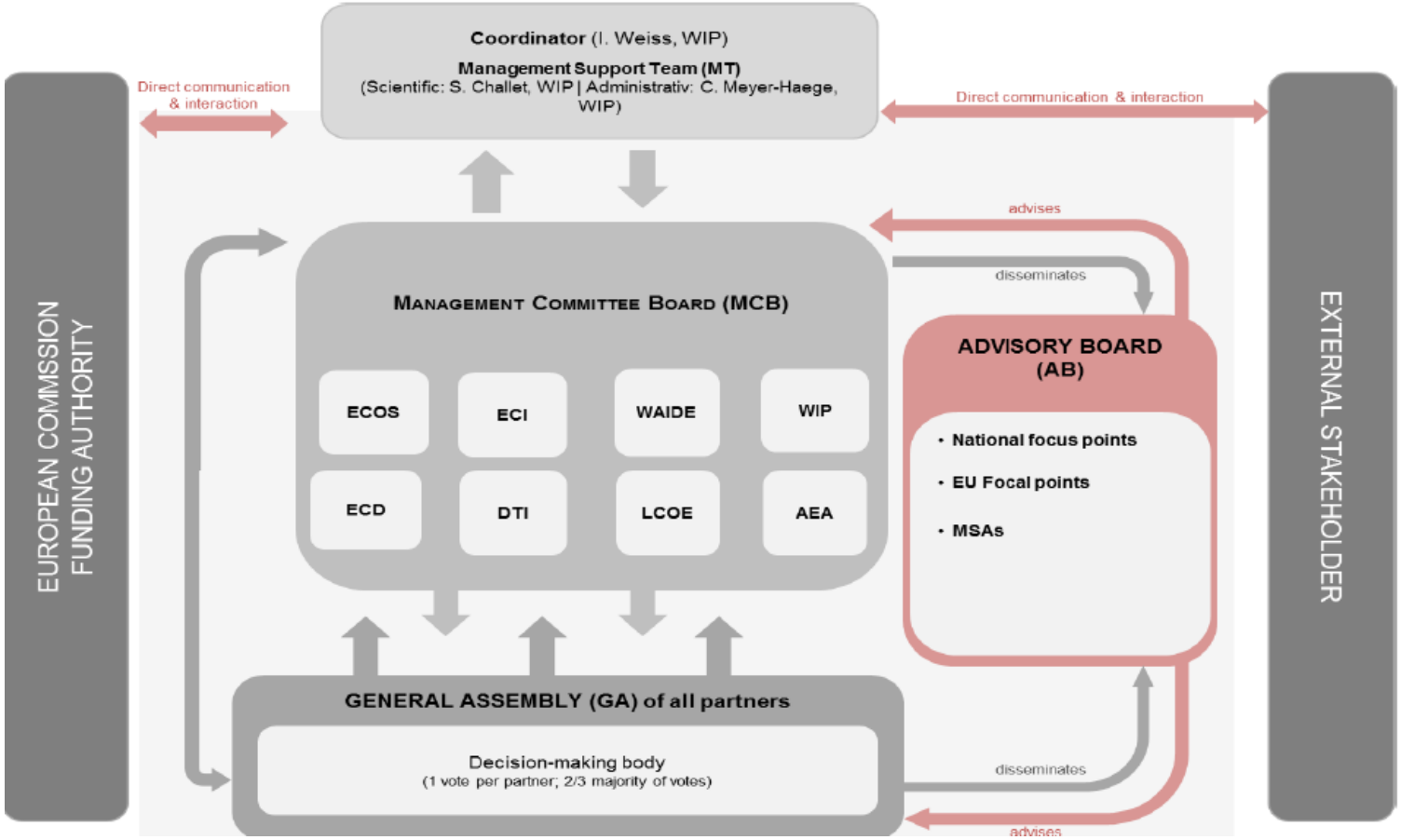

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1st NFP meetings

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- **Organized** in 9 member states (DK, IT, ES, RO, PT, AT, CZ, FI and PO)
- **Participation**: 48 stakeholders provided feedback, anonymized and translated
- **Questions** addressed:

1. **Main concerns regarding the ability of national MSAs to perform market surveillance and/or test large products?**
2. **Drawbacks from methodologies (incl. witness testing at manufacturer or on-site, using manufacturer's test facilities, scale model testing or part-load testing of products)?**
3. **On modelling techniques : Existing experience and key issues to be consider?**

1st NFP meetings

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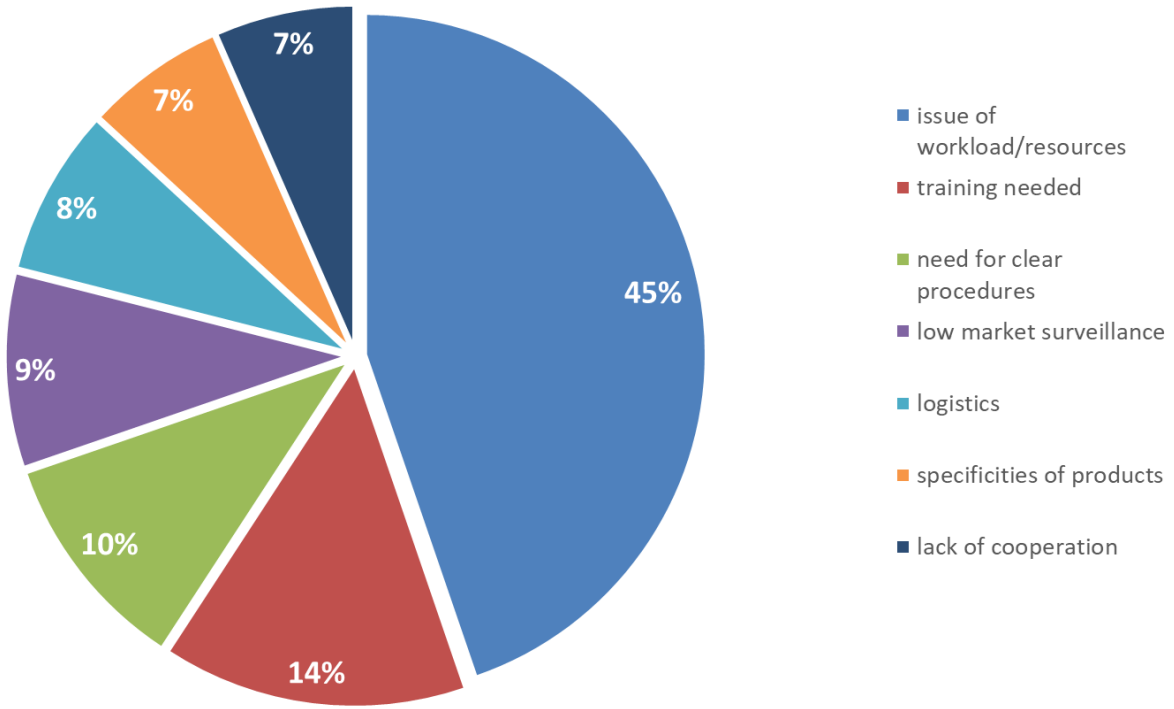
Q1. What are the main concerns regarding the ability of national authorities to perform market surveillance and/or test large products?



1st NFP meetings

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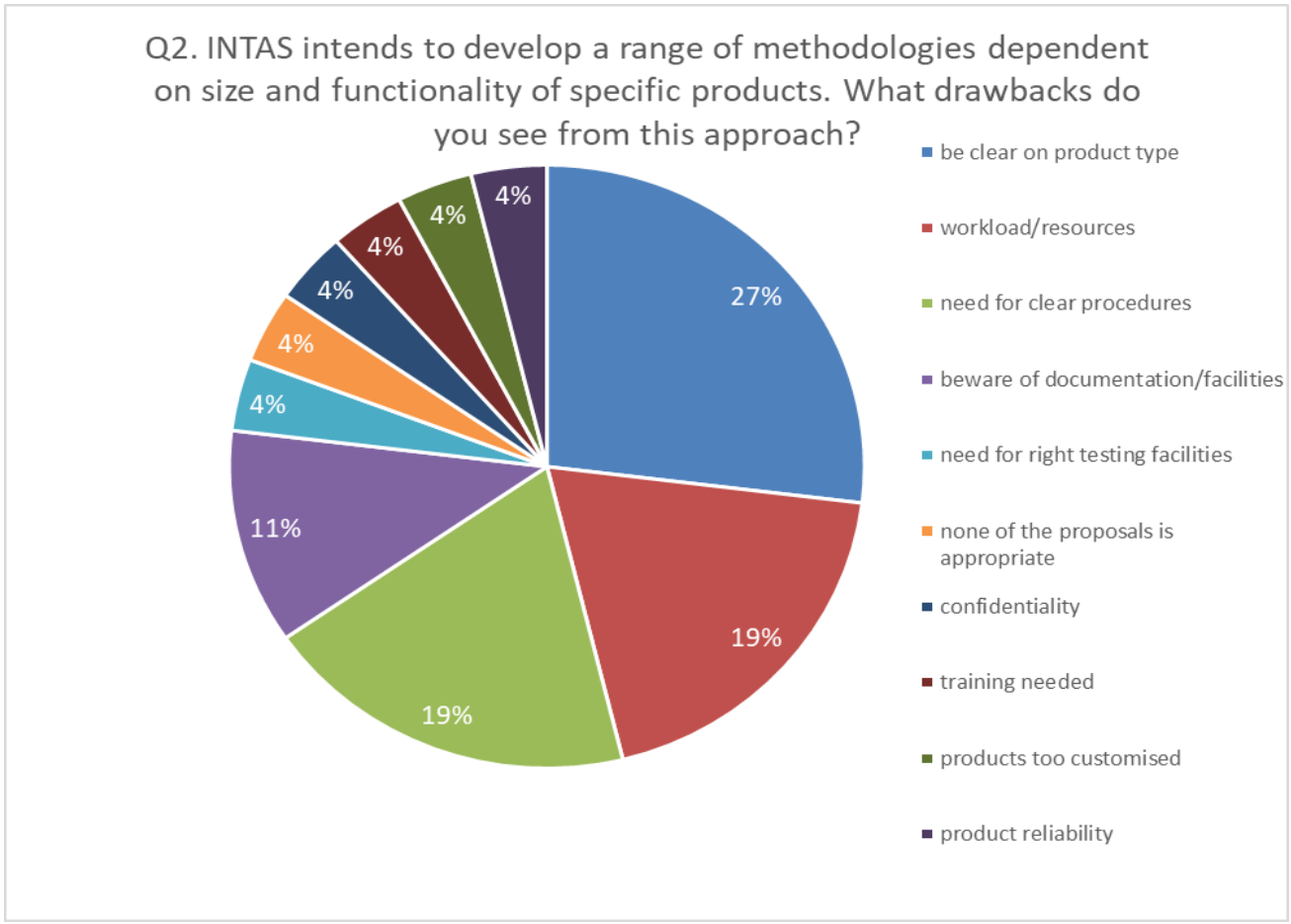

1st NFP meetings

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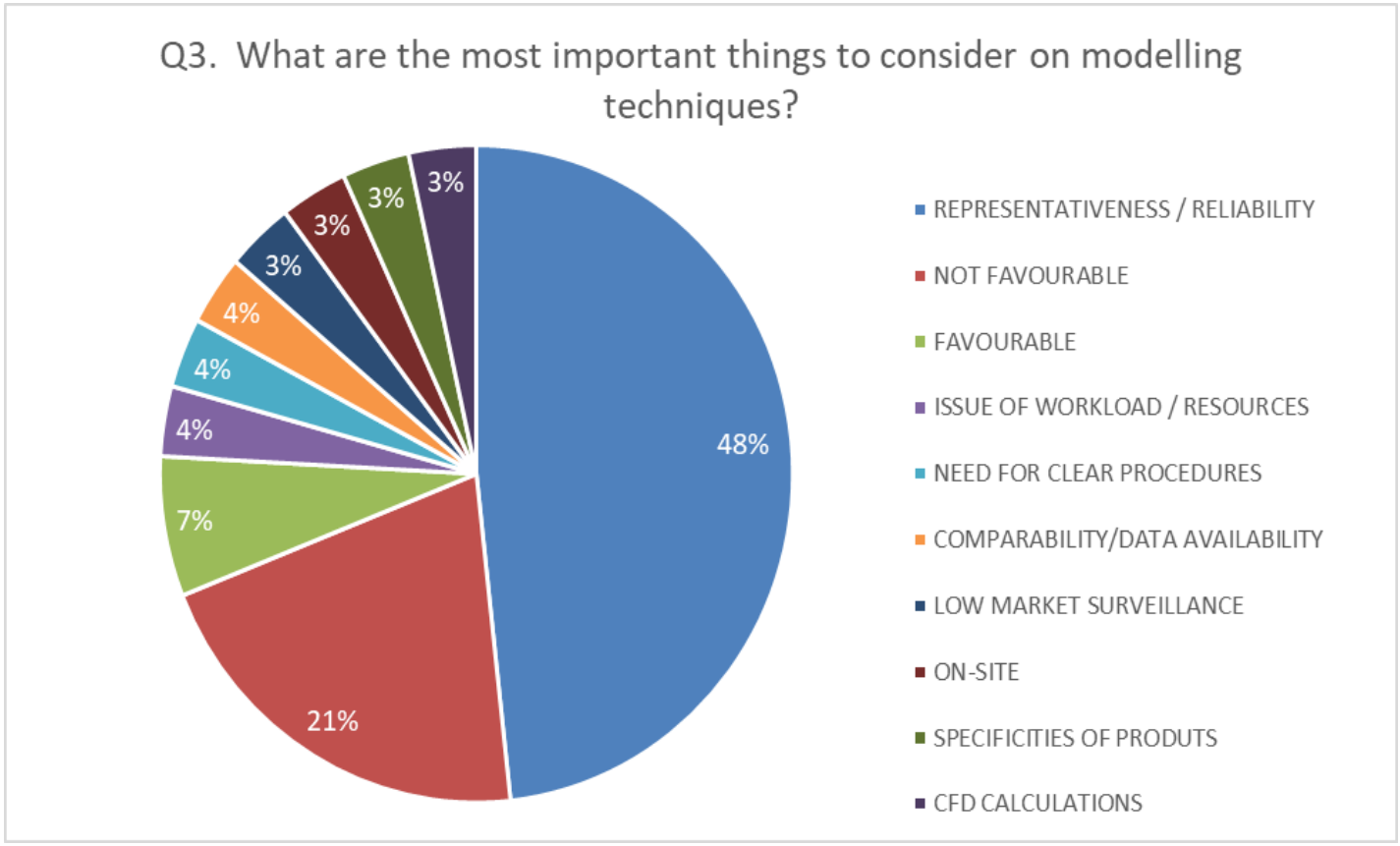

1st NFP meetings

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Main conclusions (1/2)

- Confirmed the particularity of performing market surveillance and testing of large products
- Main concerns related to: workload and resources (45%), followed by lack of technically skilled staff (14%) and need for clear procedures (10%).
- Intention to develop a range of methodologies dependent on size and functionality of specific products: Agreement on the approach but reluctant about on-site testing, and preference for testing at manufacturers'.
- Mixed views on modelling techniques: limited applicability on fans, and not feasible on transformers; except for manufacturers, there is general reluctance to their use due to lack of precision, i.e. aspects like representativeness and reliability of results have to be addressed.

1st NFP meetings

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Main conclusions (2/2)

- Although INTAS will not be able to solve all these issues, it is the project intention to propose a compliance assessment methodology that considers the following aspects:
  - It is cost-effective,
  - It is complemented by training and capacity building,
  - It comprises simple and clear procedures,
  - It strengthens the current low market surveillance,
  - It considers the specificities of the products and the logistics of the business models, and
  - It builds up cooperation at different levels.

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Outcome of WP3

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WP3 Defining an effective compliance framework for MSAs and manufacturers

- D3.1 Report on information and additional requirements related to inspection of fans (Confidential)
- D3.2 Report on information and additional requirements related to inspection of transformers (Confidential)
- D3.3 Evaluation of products in each testing type and unit category (Confidential)
- D3.4 & D3.5 Analysis and report on other applicable regulations on fans (Public)
- D3.6 & D3.7 Best practice and experiences of both MSAs and industry regarding testing of fans and transformers (Public)
- D3.8 Report about the screening techniques available for product/supplier targeting (Public)
- D3.9 Graphical flow chart of the methodological process, taking into account all tasks within WP3 (Public)

Outcome of WP3

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Investigated methods:

- Documentation (visual) inspections of nameplates and technical documentation (**all products**);

- Independent laboratory testing, according to the scope of the relevant regulations (**transformers, fans**);

- Testing at the manufacturer factory's laboratory, considered as witness testing performed by a MSA - case where testing by independent laboratory measurement equipment is not feasible, and which may be aligned with the Factory Acceptance Tests (**large products**).

- On-site testing using movable lab equipment at the manufacturer premises, and in-situ testing at the place of product installation, were evaluated (**large products**).

- Additional methods (**fans only**): Performance estimation and modelling based on design engineering and computer simulations; Scale-modeling and reduced speed testing as a basis for documenting and verifying large products.

Outcome of WP3

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Methodology - proposed flow charts

Please note that:

a) **The proposed flowcharts are at an intermediary stage, i.e. NOT to be considered as final recommendations of the INTAS project yet.**

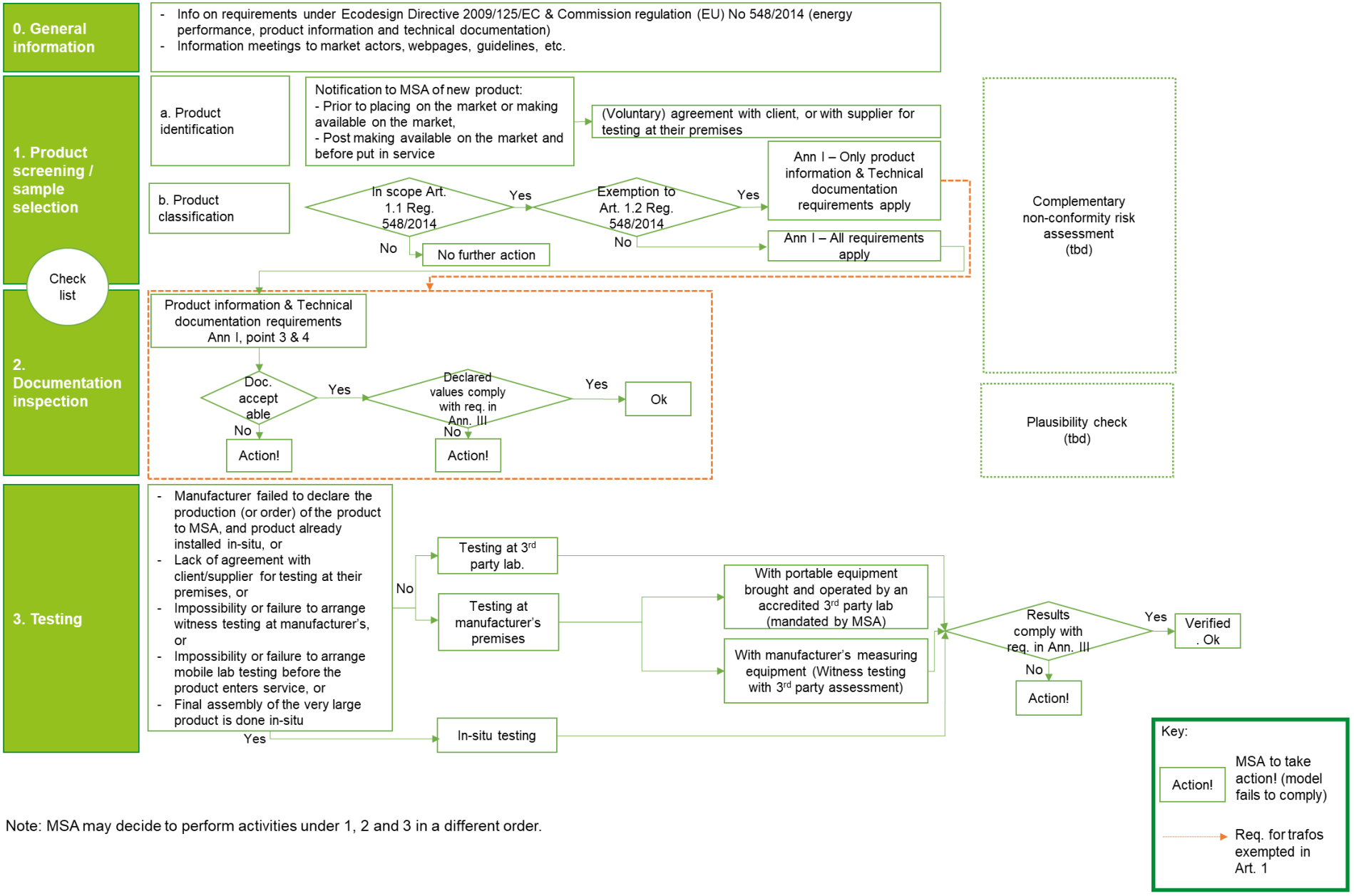
b) **These methodologies will undergo a practical validation phase (WP4) where MSAs participating in the INTAS project will assess their applicability.**

c) **Market actors will also be informed and consulted at a number of National Focal Point meetings.**

d) **The validation phase will allow for refinements of the methodology until the end of July 2018.**

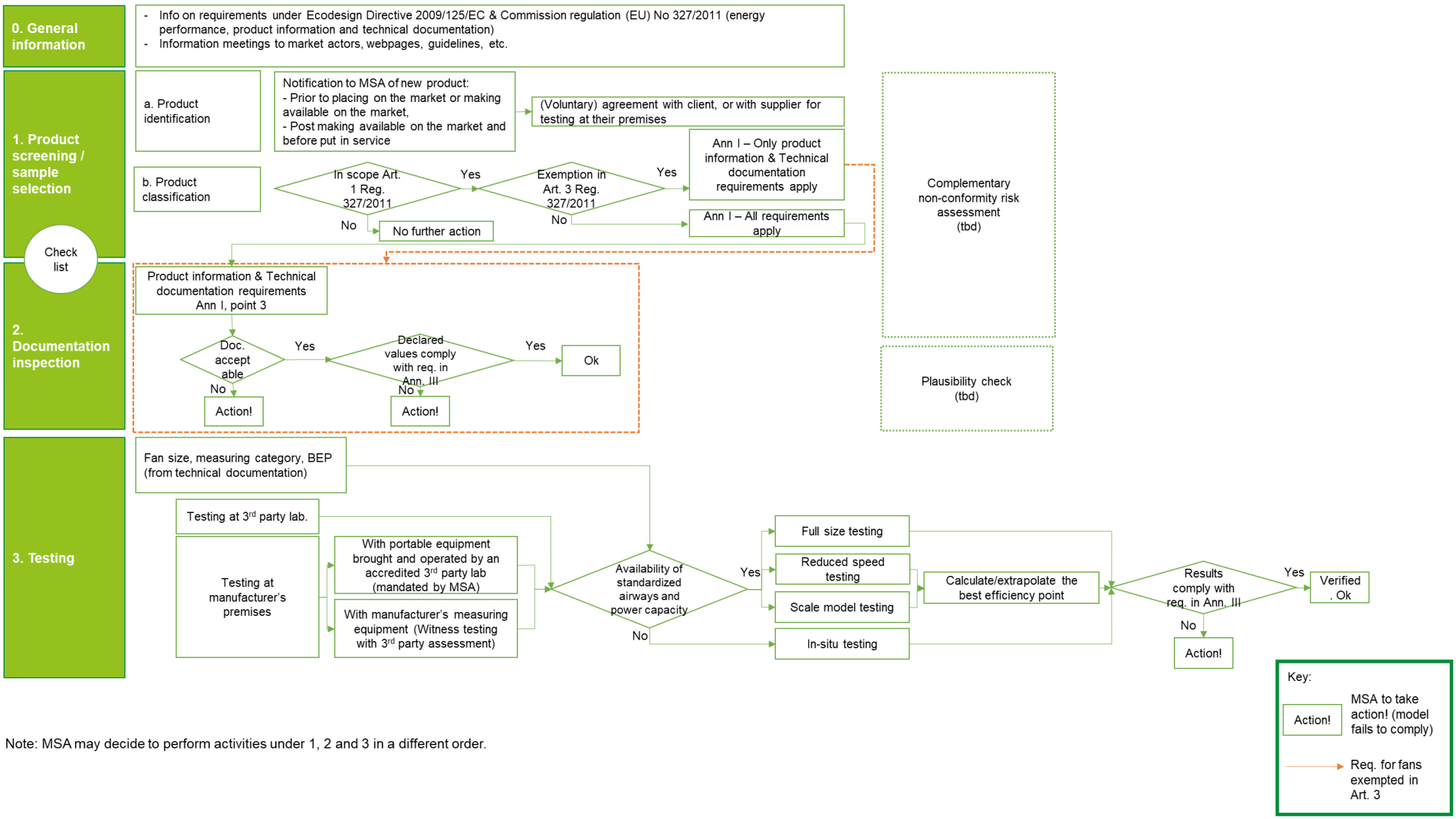
e) **Please visit the INTAS project website for information about the channels available for your inclusion in this process.**

Flow chart for verification of compliance of power transformers



Note: MSA may decide to perform activities under 1, 2 and 3 in a different order.

Flow chart for verification of compliance of fans



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Outline of WP4

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WP4 Evaluation of compliance assessment methodology

- Task 4.1 & 4.2 Practical evaluation and complete methodology on fans and transformers → **Step-by-step guide for compliance assessment + supporting Toolbox**

Outline of WP4

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WP4 Evaluation of compliance assessment methodology

- Task 4.1 & 4.2 Practical evaluation and complete methodology on fans and transformers → **Step-by-step guide for compliance assessment + supporting Toolbox**

Tasks 4.1 & 4.2 The Guide – working texts

This is a public document so it should both target MSA's and Industry

1. Regulation 327/2011 & 548/2014 – What is it all about?
2. Directive 2009/125/EC – What are the manufacturer obligations?
3. Methods for screening for products
4. Methods of selecting products
5. Methods of technical documentation inspection
6. Methods of verification testing
7. Methods for continuous dissemination activities

Task 4.1 & 4.2 The toolbox

Provisional list:

- Spreadsheet for calculation of target efficiency of fans & trafos
- Good conformity assessment procedure
- Performance test report template to be used for witness testing
- Technical documentation: checklist, a guide on scale-model test, reduced speed tests and calculations performed by manufacturers
- Plausibility check of design characteristics (EVIA?)

Outline of WP4

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WP4 Evaluation of compliance assessment methodology

- Task 4.3 Evaluation of costs, benefits and new methods of testing & common issues in large product testing
- Task 4.4 Policy recommendations for future regulation on industrial products (deadline: Oct 2018)

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Outline of WP6

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WP6 Dissemination and Communication

- Final conference to share the project outcomes (Brussels, Feb ‘019)
- 3rd NFP meeting for conclusions

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Questions for participants

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- Looking at the draft methodology proposed in WP3 (flowcharts D3.9)
  - in your view, what are the main obstacles?
  - and the main opportunities?
  - Would it be feasible in your view to set a mandatory notification to MSA when the product has been placed on the market or it is ready to be placed on the market, or it has been installed?
  - Would it be feasible in your view to set a voluntary agreement with client/supplier for testing at their premises?
- Regarding the toolbox to be developed under WP4
  - Are any of the documents listed challenging to find? Which ones?
  - Are you using other documents for compliance verification?

More information

about the INTAS project
and its results:

www.INTAS-testing.eu

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