



How to achieve effective market surveillance for power transformers

Nerea Ruiz
ECOS

29-06-2018

EEM18



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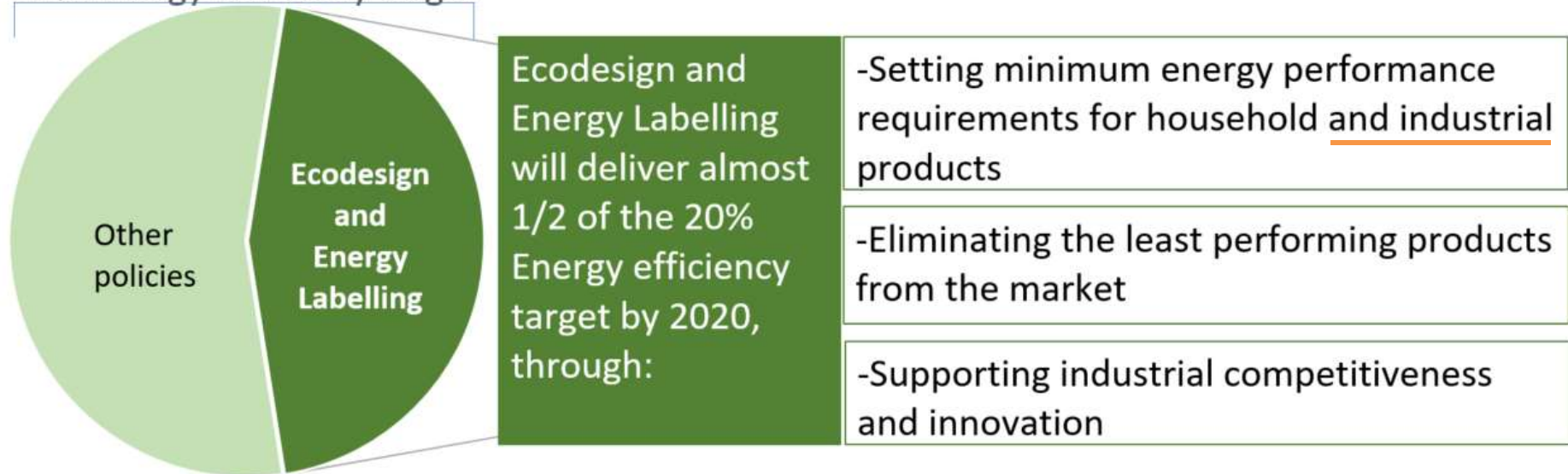
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Ecodesign is a key element...

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20% Energy Efficiency target



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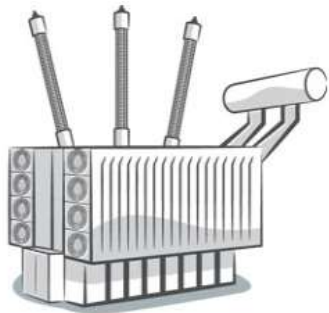


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...and needs market surveillance

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- **Power transformers = 16TWh savings potential**
But 10% of energy savings lost because 10-25% of products do not comply with energy efficiency requirements
- Low market surveillance of large products impedes level-playing field

→ **More market surveillance to unlock savings potential!**



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About INTAS H2020 project

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INDUSTRIAL AND TERTIARY PRODUCT TESTING AND APPPLICATION OF STANDARDS

- European project (Horizon 2020 - Energy Efficiency)
- Active from March 2016 to February 2019
- Budget: aprox. 1,9 million Euros (incl. product testing)
- 16 partners:
 - Europe: WIP, ECOS, ECI, ECD, WSE
 - Austria: AEA
 - Belgium: BHTC
 - Czech Republic: SEVEn
 - Denmark: DTI
 - Finland: TUKES
 - Italy: ENEA
 - Poland: FEWE
 - Portugal: DGEG, ASAE
 - Romania: ANRE
 - Spain: FFII-LCOE



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INTAS project goals

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- Support EU MSAs deliver compliance for large industrial products:
 - **Power transformers**
 - **Fans**
- Support industry in their obligations under the Ecodesign Directive and deliver compliance
- Foster common EU approach to the delivery and verification of compliance



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Some challenges to be tackled

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- MSAs have limited resources
- High costs and difficulties to transport large products
- Customised or tailor-made products
- Lack of common understanding of compliance and testing procedures in current legislative prescriptions
- Stage when verification takes place
- High costs and impracticalities for verification post-installation



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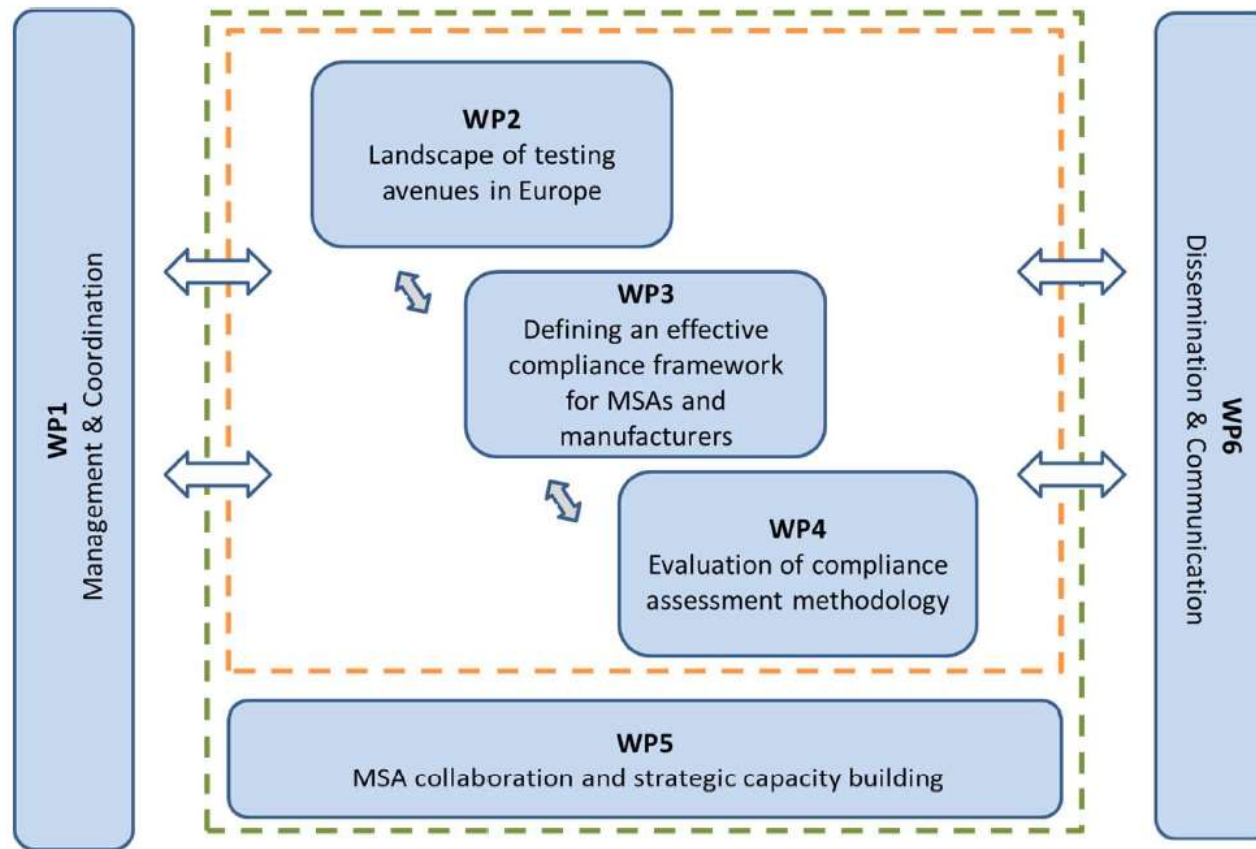


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INTAS project flow

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Defining market surveillance methodology

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Conventional Ecodesign verification approach

Product screening & sample selection

Documentation inspection

Testing

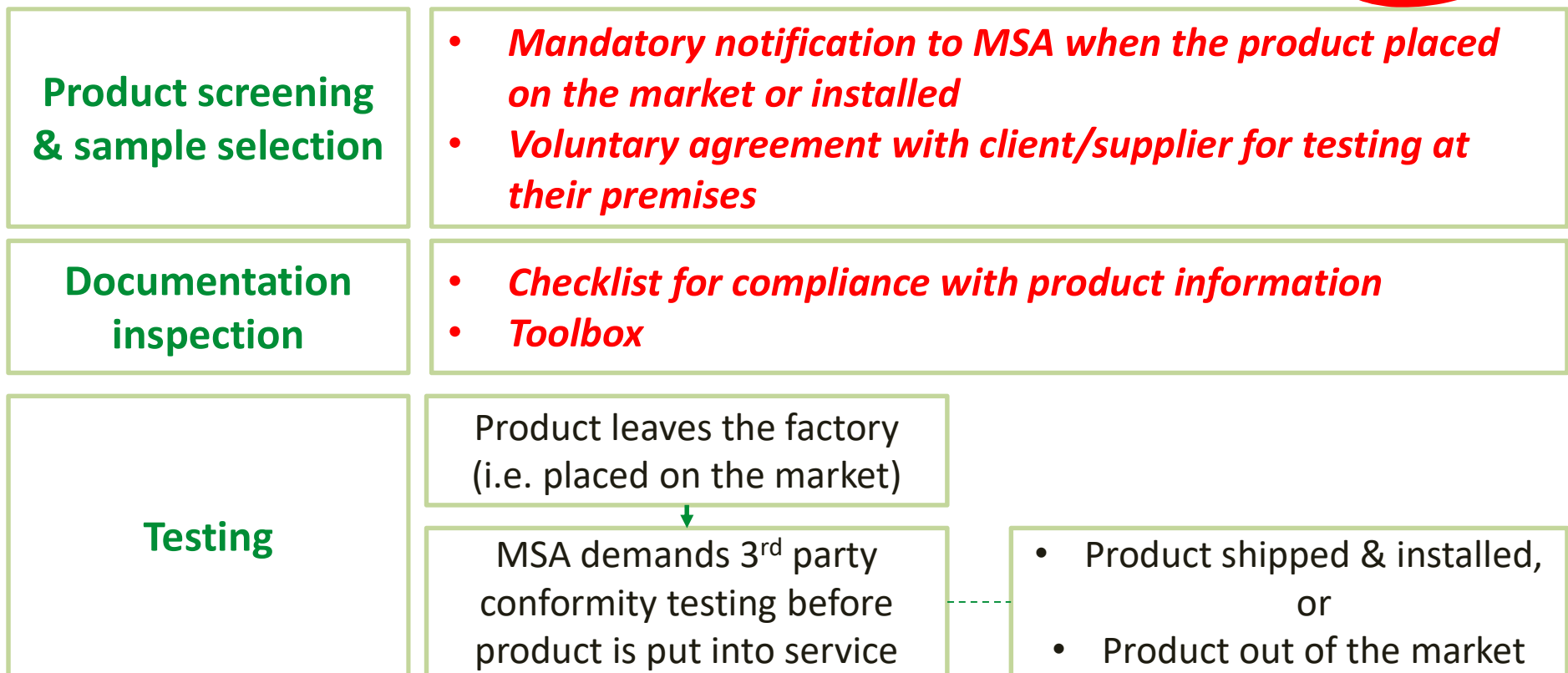


Defining market surveillance methodology

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Options being explored in INTAS:



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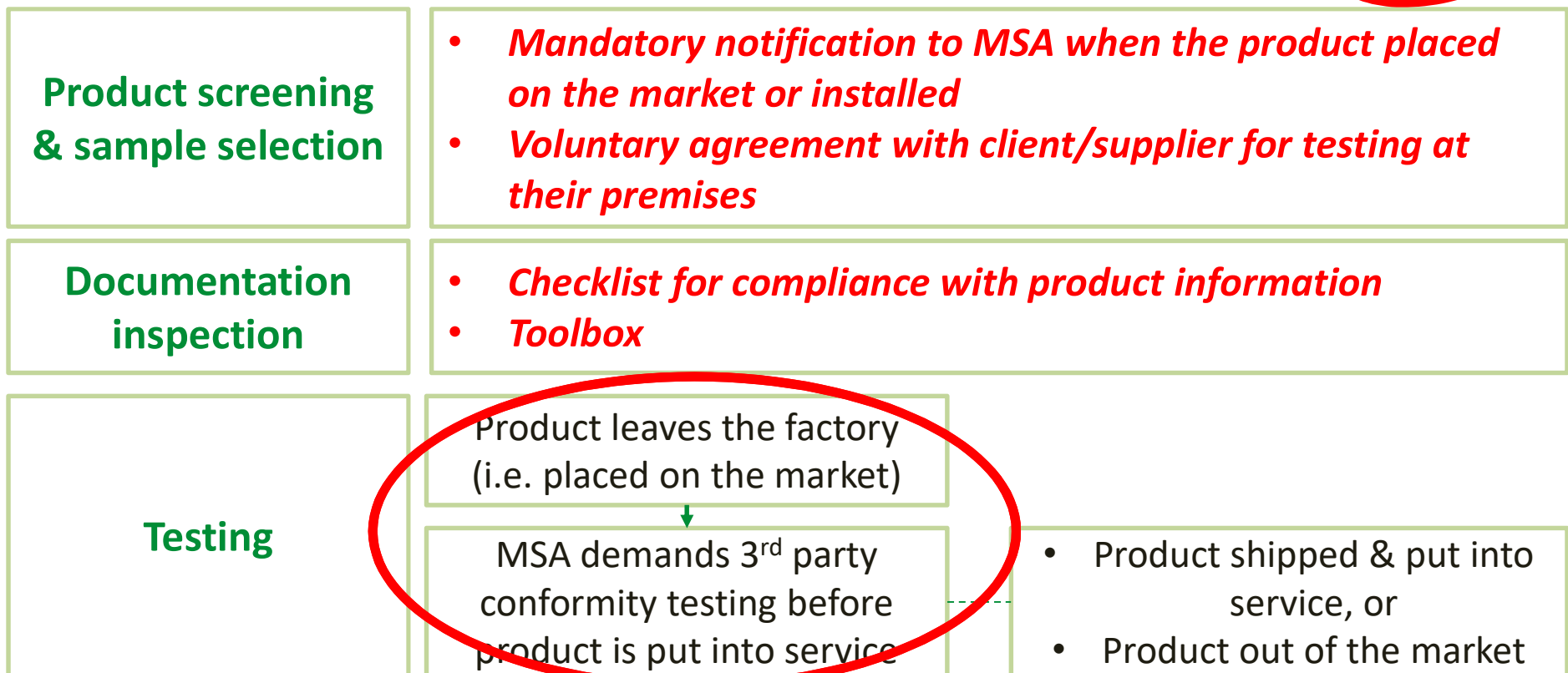


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Options being explored in INTAS:

Testing

***Testing occurs at
manufacturers' premises:
Witness testing (i.e. before
placed on the market)***

- Product shipped & put into service, or
- Product out of the market

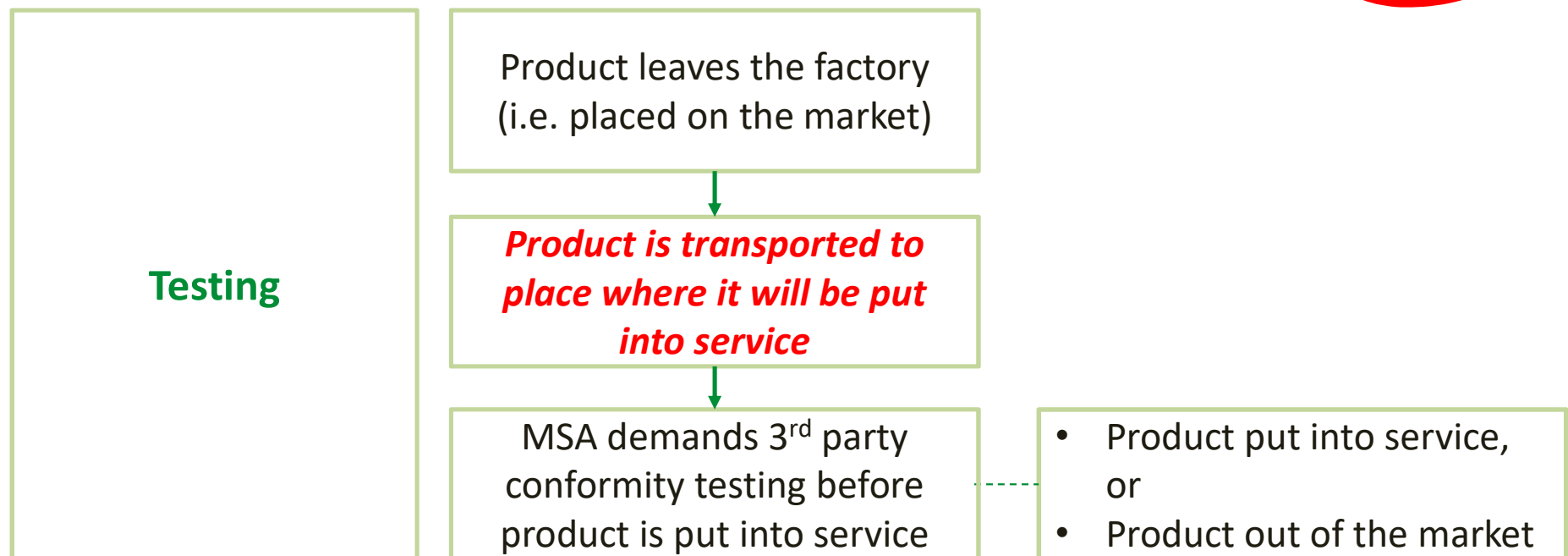


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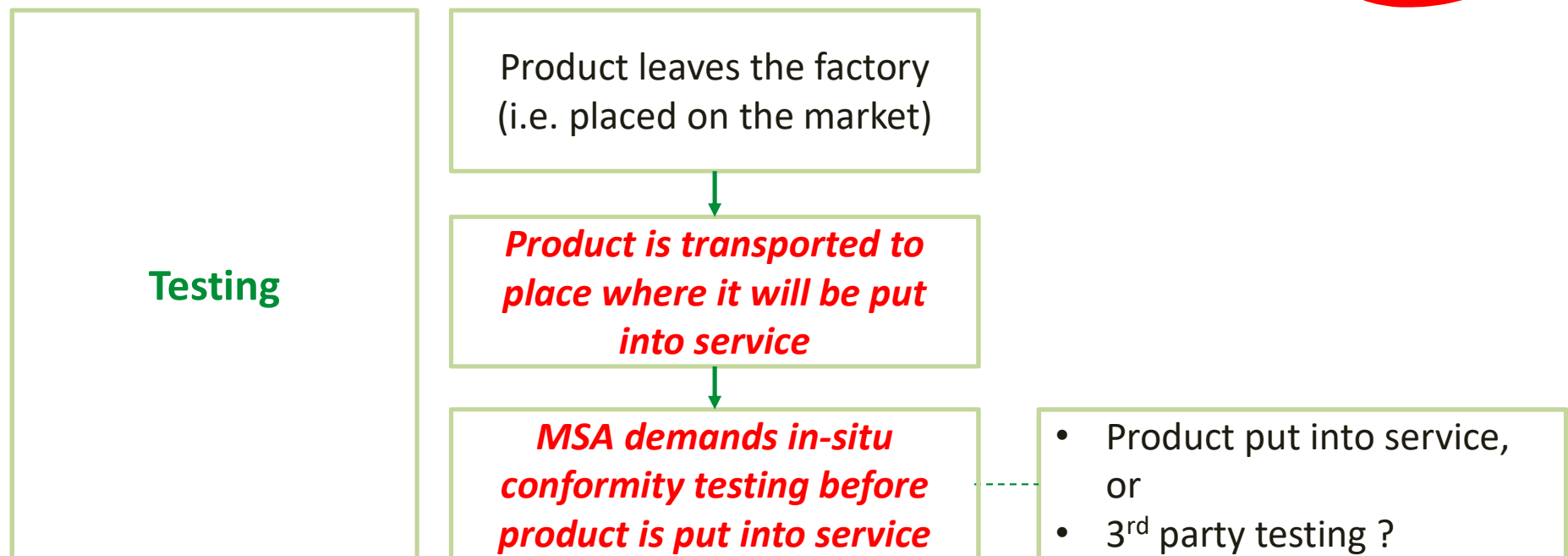


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Options being explored in INTAS:



What's next?

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June 2018

September 2018

October 2018

February 2019

National Focal
Point
meetings

Validation of the
market
surveillance
methodologies

Policy
recommendations
for industrial
products

Final
conference in
Brussels



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More information

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about the INTAS project
and its results:

www.INTAS-testing.eu

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