



IAEA

60 Years

Atoms for Peace and Development

**IAEA's : Who decide on project content ?
Who decide on safety changes ?
Why published documents take so long ?
To whom do WTS report to ?**

Willie Meyer

Waste Technology Section

Contents

1. IAEA and Waste Technology Section

2. Who decide on project content

Who decide on safety changes

Why published documents take so long ?

To whom do WTS report to ?

1. IAEA

Established in 1957

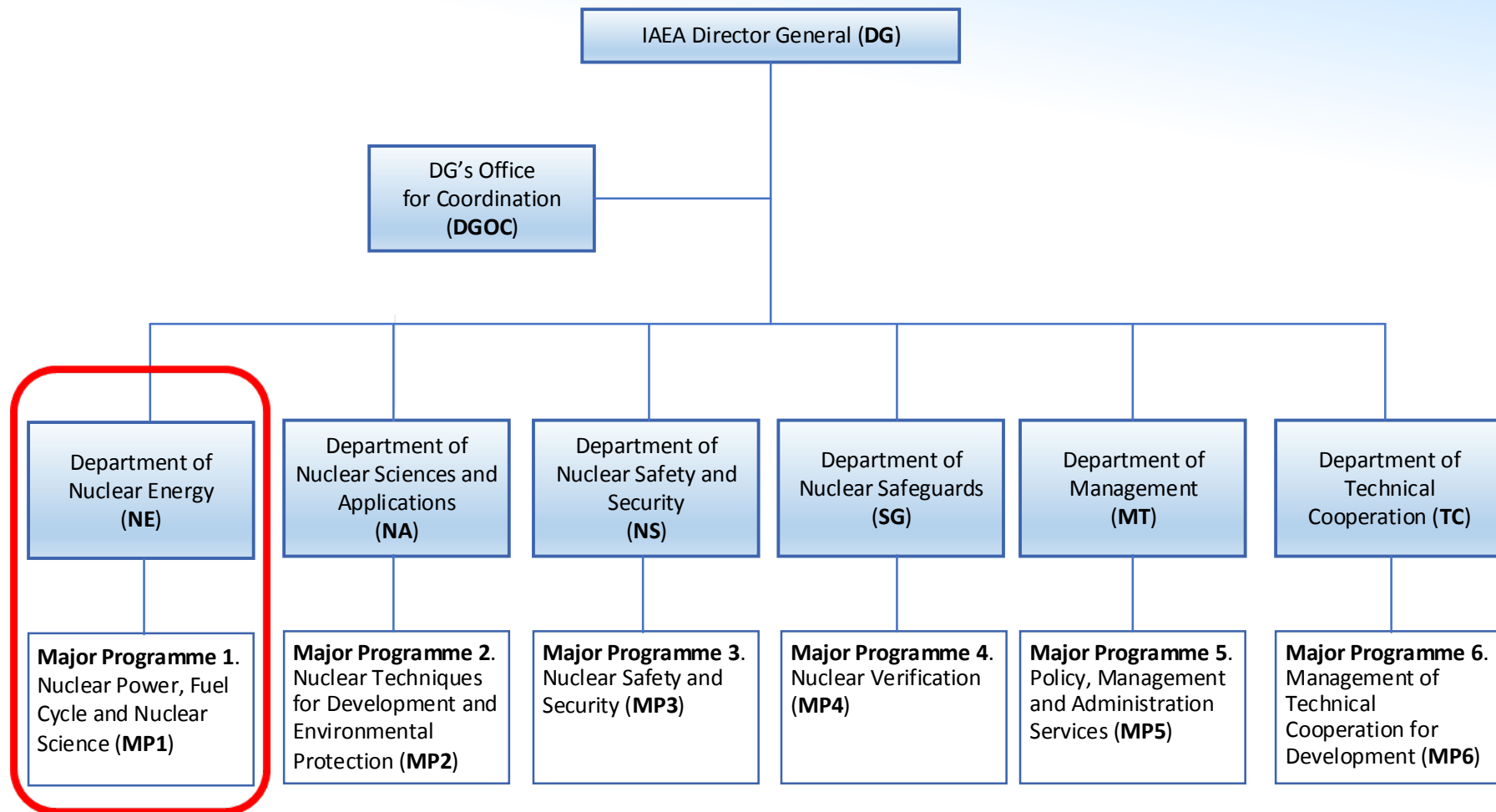
172 Member States

**~ 2,560 multidisciplinary
professional and support
staff from more than 100
countries**

- IAEA IS ADVISORY BODY
- IAEA AND MEMBERSTATE COULD HAVE DIFFERENT VIEWS



1. IAEA Departments and Major Programmes



1. IAEA's Waste Technology Section



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**DEPARTMENT OF
NUCLEAR ENERGY**

**Nuclear Fuel Cycle &
Waste Technology Section**

**Nuclear Fuel
Cycle**

**Research
Reactors**

Waste Technology

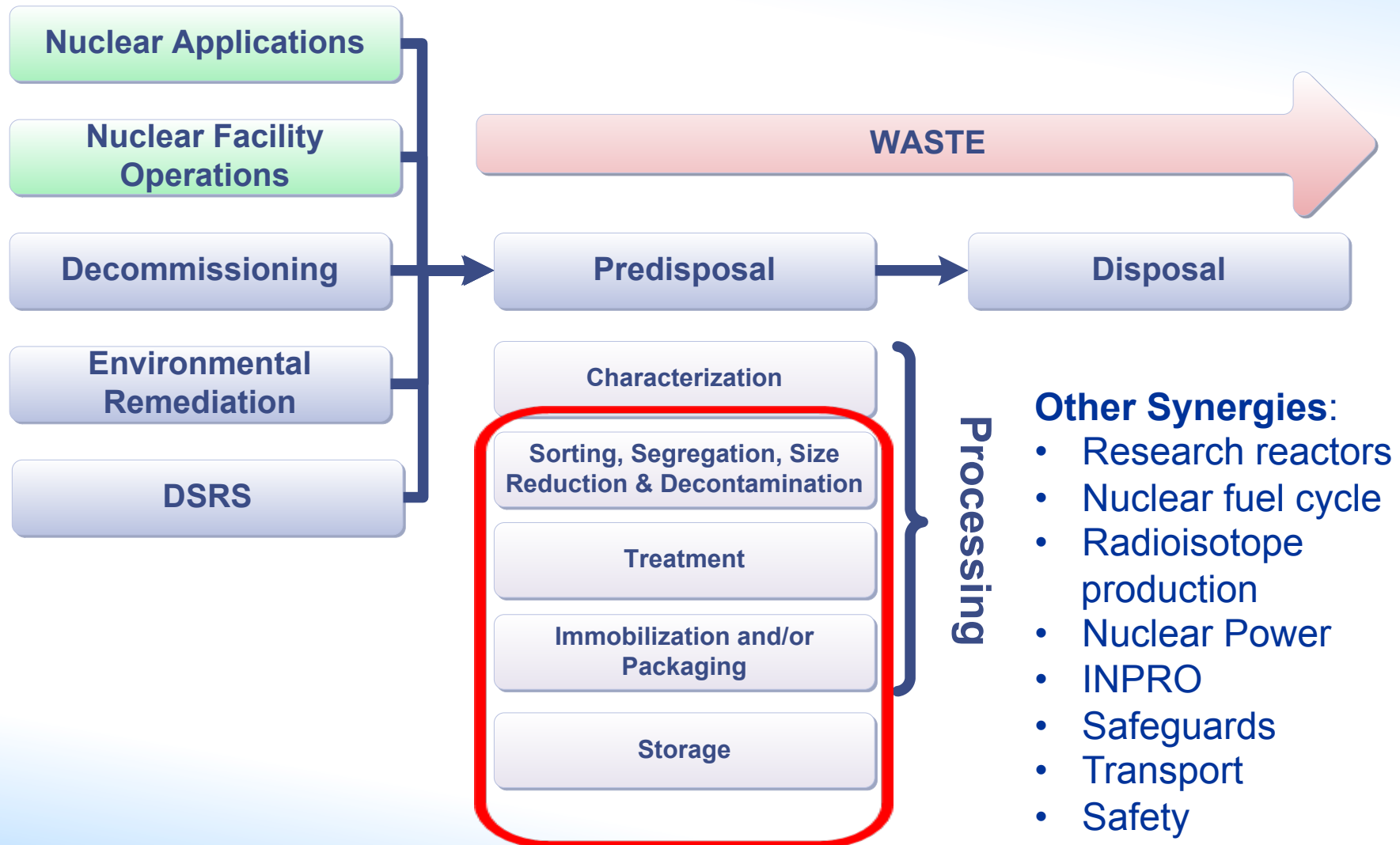
Predisposal

Disposal

**Disused Sealed
Radioactive Sources**

- Promote information exchange
- Foster technology transfer
- Cooperative research
- Capacity building in Member States

2. Predisposal section and activities



3. Who changes safety requirements ?



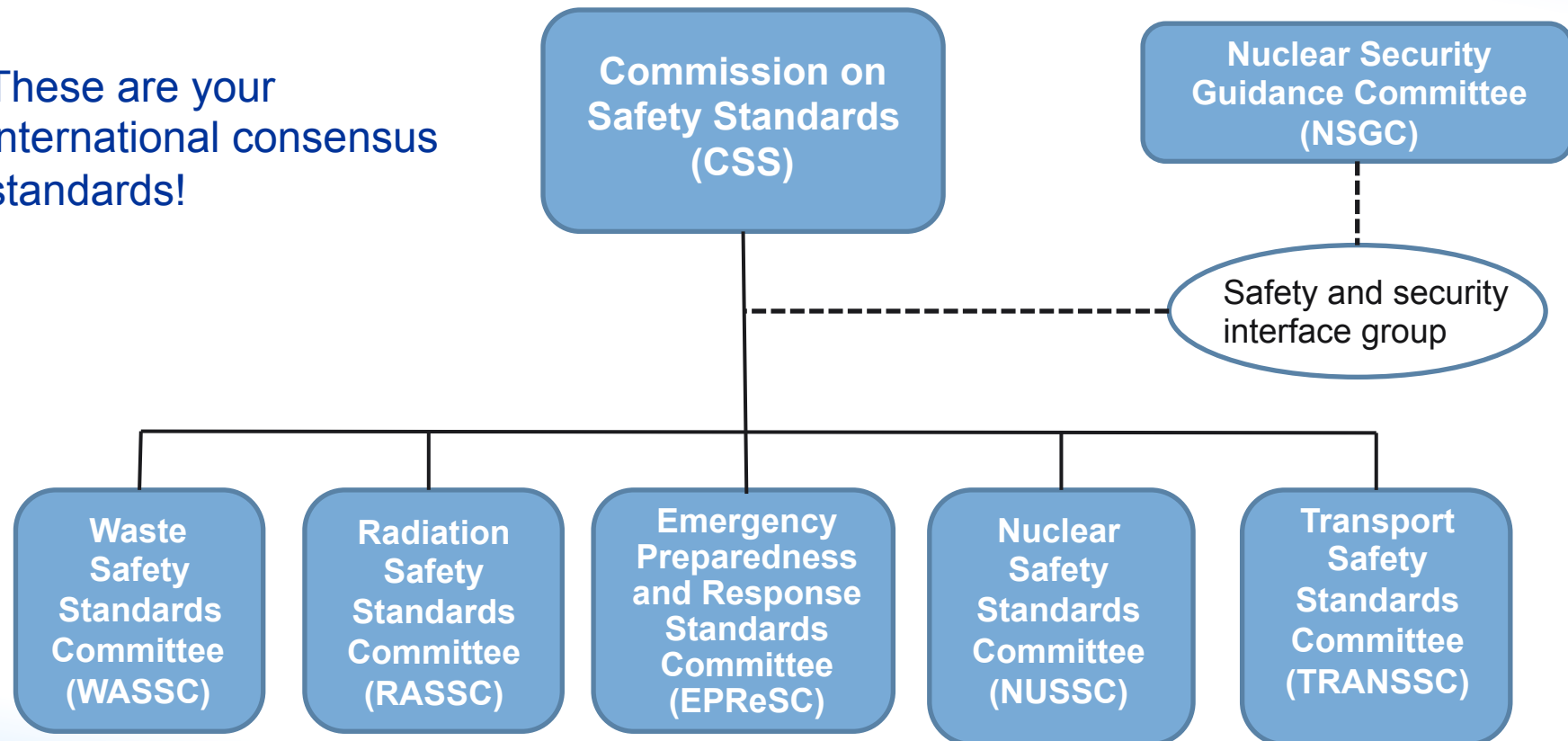
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Peace and Development

The Commission and Committees for Safety Standards Development

One commission and five safety standards committees oversee the development and approval of the IAEA safety standards.

These are your
international consensus
standards!



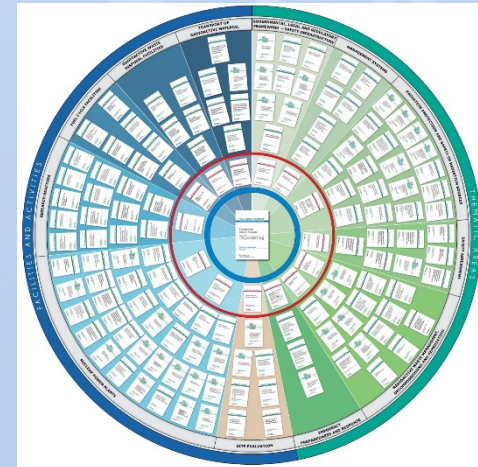
Member States nominate the committee members.

3. Legal Nature of IAEA Safety Standards

IAEA Safety standards are:

- Binding for IAEA's own activities
- Not binding on the Member States (but may be adopted by them) EXCEPT in relation to operations assisted by the IAEA e.g.:
 - Integrated Regulatory Review Service
 - Technical Cooperation Fund activities
 - States wishing to enter into project agreements with the IAEA
- Joint Convention

<http://www-ns.iaea.org/standards/default.asp>



2. Who decide on project content To whom do WTS report to ?

WATEC meetings

- Permanent members (24) and rotating members (6)
- Meeting once per year
- Report
- Inform WST what to do 3 year cycle

3. Development of document- WHY SO LONG ?

- STEP 1: Preparing a Document Preparation Profile (DPP) on request of member state or WATEC COMMITTEE**
- STEP 2: Internal review of the DPP**
- STEP 3: Preparing the draft at CM 1**
- STEP 4: First internal review by Scientific Secretary**
- STEP 5: Second CM 2 to review draft**
- STEP 6: Second internal review by Scientific Secretary**
- STEP 7: Review of the draft by member states at TM 1**
- STEP 8: Attend to comments by Member States by Scientific Sec.**
- STEP 9: Internal review by Safety Department**
- STEP 10: Review by DPP committee**
- STEP 11: Attend to comments by Scientific Sec**
- STEP 10: Publications Committee (review)**
- STEP 11: Publication**

3. Transfer of information

Key Core Technical Publications



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Predisposal 'Handbook' Series

Consolidate and present all technical information related to predisposal that will maintained and supplemented electronically and updated periodically (every ~10 years)

Part I: Technical Overview – provides a concise summary of technical information.

Part II: Annexes* – provide detailed information on technical options, design basis, operational requirements, best practices, lessons learned, emerging technologies



Part I published as paper report and Part II will be electronic (CD/network 'cloud' based)

3. Transfer of information

International Predisposal Network



International Predisposal Network (IPN)

This website is a gateway to the IAEA International Predisposal Network, which aims to give information about existing technologies and practices relevant to the predisposal of radioactive waste, for example, characterisation, pre-treatment, treatment and storage. It also provides access to a forum of experts where predisposal queries can be asked and answered, and it details network meetings and workshops. Finally, the latest trends, research and status of radioactive waste predisposal are summarised, to allow you to keep up

Promoted Links



Google “IAEA” and
“CONNECT” and follow the
links to IPN

<https://nucleus.iaea.org/sites/connect-members/ipn/Pages/default.aspx>



Planned IPN meetings (not on web ...waiting for approval)

Oct 2019: Decontamination during reactor outages

Nov 2019: Minimization of reactor waste (part 1)

Jan 2020: Selection of decontamination processes

Feb 2020: Treatment of LILW solid waste

Feb 2020: Inward CRP

Jun 2020: Waste packages durability testing protocols

Sept 2020: Treatment of graphite waste (Replacing GRAPA)

Oct 2020: Minimization of reactor waste (part 2)

<https://nucleus.iaea.org/sites/connect-members/ipn/Pages/default.aspx>

<https://nucleus.iaea.org/sites/connect/IPNpublic/Pages/Registration.aspx>



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Thank you