

Work plan for the Test Guidelines Programme (TGP)

(as of July 2016)

The work plan includes 5 sections for specific projects:

Section 1 (Projects related to Test Guidelines on physical–chemical properties)

Section 2 (Projects related to Test Guidelines on effects on biotic systems)

Section 3 (Projects related to Test Guidelines on environmental fate)

Section 4 (Projects related to Test Guidelines on health effects)

Section 5 (Projects related to other Test Guidelines)

Projects remain in the work plan until the publication of the Test Guideline or other Test Guideline-related document. Each project keeps the same identification number until it is completed.

Abbreviations used:

TG: Test Guideline

GD: guidance document

DRP: detailed review paper

Joint Meeting: Joint Meeting of the Chemicals Committee and Working Party on Chemicals, Pesticides and Biotechnology

EDTA AG: Endocrine Disrupters Testing and Assessment Advisory Group

EPOC: Environmental Policy Committee

NC: national coordinator

SPSF: standard project submission form

SSD: Streamlined Summary Document

VMG-eco: Validation Management Group for Ecotoxicity Testing

VMG-non animal: Validation Management Group for Non Animal Testing

VMG-mammalian: Validation Management Group for Mammalian Toxicity Testing

WNT: Working Group of the National Coordinators for the Test Guidelines Programme

WGP: Working Group on Pesticides

WPMN: Working Party on Manufactured Nanomaterial

TF Biocides: Task Force on Biocides

SECTION 1
PROJECTS RELATED TO TEST GUIDELINES ON PHYSICAL-CHEMICAL PROPERTIES

There are no activities currently underway

SECTION 2
PROJECTS RELATED TO TEST GUIDELINES ON EFFECTS ON BIOTIC SYSTEMS

Project 2.33: New TG for a Protozoa Activated Sludge phagocytosis inhibition Test	
Lead: Inclusion in work plan: Project Status and milestones:	Germany 2009
<ul style="list-style-type: none"> • Draft test method available (attached to the SPSF, 2009); • Small expert group established in 2010 to review the validation status of the test method; • 2012-2013: conduct of a ring test; • Draft ring test report and draft TG provided in June 2015 (Note: mathematical formulas and references to be fixed before circulation for commenting round); • Draft Test Guideline and ring test report to be distributed for first WNT commenting round in early 2016. 	
Project 2.36: EDTA Activity - New TG(s): Mollusc Reproductive Toxicity Tests – Development and Validation of Test Guidelines	
Lead: Inclusion in work plan: Project Status and milestones:	Germany, United Kingdom, France, Denmark 2011
<ul style="list-style-type: none"> • Two Test Guidelines approved by the WNT in April 2016. 	
Project 2.39: EDTA Activity – New TG: Xenopus Embryonic Thyroid Signalling Assay	
Lead: Inclusion in work plan: Project status and milestones:	France 2011
<ul style="list-style-type: none"> • Comprehensive written validation plan, including a detailed protocol agreed by VMG-eco and participating laboratories identified in June 2012; • Inter-laboratory validation performed by France, Japan and the United States completed in March 2014; draft validation report finalised in June 2014. • Discussion of validation report for phase 1 and next steps discussed at VMG-eco in December 2014. • Proposal for phase 2 of the validation and next steps discussed at VMG-eco in October 2015. • Inter-laboratory validation phase 2 performed by France, Japan and Portugal expected to be completed in summer 2016. <ul style="list-style-type: none"> • Draft phase 2 validation report expected to be finalised in fall 2016. 	
Project 2.44: New GD: Honey Bee (<i>Apis Mellifera</i>) Larval Toxicity Test, Repeated Exposure	
Lead: Inclusion in work plan: Project status and milestones:	France 2012

<ul style="list-style-type: none"> Guidance Document approved by the WNT in April 2016. 	
Project 2.45: New GD: Supplemental Guidance and criteria for industry for the submission of Acute Oral Avian Toxicity Data using OECD TG 223	
Lead: Inclusion in work plan: Project status and milestones:	United States 2012
<ul style="list-style-type: none"> Draft Updated TG 223 approved by the WNT in April 2016. 	
Project 2.46: New TG for the Detection of Endocrine Active Substances, acting through estrogen receptors using transgenic cyp 19a1b-GFP Zebrafish Embryos (EASZY assay)	
Lead: Inclusion in work plan: Project status and milestones:	France 2013
<ul style="list-style-type: none"> Draft protocol reviewed by the Fish Drafting Group and VMG-eco in 2013; proposed time schedule for the validation study agreed during VMG-eco teleconference (2013); Preliminary data analysis for Phase 1 of the validation; presentation and discussion at VMG-eco meeting in December 2014; France provided an update on the progress in the development of the EASZY assay in October 2015 during the last VMGEco, showing satisfactory results in 2 laboratories. France is continuing validation efforts by searching additional laboratories first; One additional laboratory was identified in April 2016, allowing to finalize Phase 1 of the validation study. • Results of phase 1 of the validation will be presented at VMG-eco in October 2016. 	
Project 2.47: New TG on Determination of Effects on Earthworms in Field Studies	
Lead: Inclusion in work plan: Project status and milestones:	Germany 2013
<ul style="list-style-type: none"> Establishment of an <i>ad hoc</i> Expert Group nominated by WNT in April 2013. Work of the OECD Expert Group in co-operation with the SETAC Global Soil Advisory Group (GSAG). Joint meeting of the OECD Expert Group and the GSAG at the Annual SETAC-Europe Conference in (May) 2014. 2015: retrospective analysis of current test design; 2016: validation of test design in ring test if necessary; Beginning of 2017: evaluation of ring test results; Middle of 2017: first draft TG for WNT commenting; Approval of draft TG at WNT in 2018. 	
Project 2.48: New TG on Honey Bee chronic toxicity test (10-day feeding)	
Lead: Inclusion in work plan: Project status and milestones:	Germany 2014
<ul style="list-style-type: none"> Ring-test coordinated by Germany was organised in 2014; First draft TG made available during the first half of 2015. 22-24 April 2015: Expert Meeting on honeybee toxicity testing discussed the results of the ring-test and progress with the development of a TG. 	

<ul style="list-style-type: none"> • Circulation of the draft ring-test report and TG for a first commenting round (first half 2016), revision of the draft and second commenting round mid-2016. 	
Project 2.50: Revision of TG 203 Fish Acute Toxicity Test	
Lead: Inclusion in work plan: Project status and milestones:	Switzerland/United Kingdom 2014
<ul style="list-style-type: none"> • Draft updated TG circulated to Fish Drafting Group and VMG-eco in September 2014; • Discussion of comments received and revision of draft TG at VMG-eco meeting in December 2014; • Discussion on the definition of criteria for moribund by UK experts in January 2015; • Consultation of the Fish drafting group to discuss a proposal for criteria for moribund by the lead countries planned for spring 2015; • Discussion of criteria for moribund during VMG-eco meeting in October 2015; • Teleconference of the Fish Drafting group in May 2016 for additional discussions on clinical signs for moribund criteria, with the view to update TG 203; revision of the draft updated TG 203 taking into account the outcome of discussion and circulation for a commenting round. 	
Project 2.51: Guidance Document on Aquatic (and Sediment) Toxicity Testing of Nanomaterials	
Lead: Inclusion in work plan: Project status and milestones:	Canada, United States 2014
<ul style="list-style-type: none"> • A workshop (non OECD event) was held in July 2014 to discuss technical challenges associated with the current test guidelines and potential options for making them more applicable to nanomaterials. The workshop had participants from Canada (University of Alberta), United States, and Europe. Discussions at the workshop centred on technical aspects of preparing stable stock and test solutions and monitoring nanomaterial behaviour during the test. • A teleconference was held on 19 January 2016 to reach an agreement on an internal draft guidance document and subsequent round-robin evaluations; • Workgroup revised draft GD in February and March 2016; • Draft available for external review in May 2016 by WNT expert group and then NCs. 	
Project 2.52: (New) TG including the Hypothalamo-Pituitary-Adrenal (stress) axis in fish	
Lead: Inclusion in work plan: Project status and milestones:	United Kingdom 2015
<ul style="list-style-type: none"> • Project on hold due to resource issues in lead country. 	
Project 2.53: New TG on Bumble Bees Toxicity Testing	
Lead: Inclusion in work plan: Project status and milestones:	Netherlands 2015
<ul style="list-style-type: none"> • Workshop of the ICPPR non-apix working group to organize and discuss details of the ring test in February / March 2016; • OECD ring test in 2016; • Ring test results available end 2016; • Workshop of the ICPPR non-apix working group to discuss ring test results and propose final 	

draft guideline (based on comments and experience) in Q1-Q2 2017.

Project 2.54: Guidance Document on IATA for Fish Acute Toxicity Testing

Lead:	Austria
Inclusion in work plan:	2015
Project status and milestones:	

- Development of a first draft Guidance Document in mid-2016, for review and comments by the Fish Drafting Group and VMG-eco.

Project 2.55: Use and analysis of control fish in toxicity studies

Lead:	European Commission/United States
Inclusion in work plan:	2015
Project status and milestones:	

Part 1: Update of OECD Guidance Document 23

- Part 1 is divided into Parts 1A and 1B as follows:
 - Part 1A: update of Section 3.1 of GD 23
 - Part 1B: update of the remaining sections of GD 23.
- Following discussions at WNT 2016, the US will lead Part 1B and EC will lead Part 1A.

Part 1: Update of Section 3.1

- June 2015: Ad-Hoc Expert Group established a project kick-off TC in July 2015 for Part 1A
- July – September 2015: literature search and TCs with experts to update Sections 3.1 and introductory paragraphs of Section 3. Section regarding flow-through systems added to section 2.
- Project update at VMG-eco meeting in October 2015
- December 2015 - February 2016: 1st WNT commenting round of revised GD23 Section 3.1.

Preliminary timelines for Part 1A and 1B

- WNT commenting round for Part 1A planned for 2016 following OECD secretariat approval
- June 2016: Teleconference to initiate Part 1B
- Autumn 2016: Ad-Hoc Expert Group for Part 1B established
- October 2016: Project Kick-off for Part 1B
- Discussion of Parts 1A and 1B at VMG-eco meeting 2016
- October 2016 - June 2017: Review and update GD 23
- July 2017: 1st WNT commenting round planned
- Discussion at Validation Management Group (VMG)-eco meeting 2017
- October 2017: 2nd WNT commenting round planned
- Finalisation of GD23 update
- Updated GD23 presented to WNT for approval in April 2018.

Part 2: Detailed Review Paper of use of controls in ecotoxicity tests

- June 2015: Ad-Hoc Expert Group established and preliminary discussions during kick-off TG in July 2015
- May 2015 – February 2016: Discussion of templates for data analysis with statistician.
- May 2016 – September 2016: Consolidation of historical data, assessment of data and generation of statistical simulations as necessary. Meetings will take place by teleconference as necessary.
- Autumn 2016: presentation of data analysis to VMG-Eco/Fish Drafting Group
- November 2016 – April 2017: - drafting of the DRP
- June 2017 – July 2017: 1st WNT commenting round
- August – November 2017: Updating DRP based on WNT comments, presentation to the VMG-

Eco/Fish Drafting Group. An additional WNT commenting round will take place after this if necessary	
<ul style="list-style-type: none"> • April 2018: Presentation of the DRP to the WNT for acceptance. • 	
Project 2.56: Revision of soil toxicity TGs	
Lead: Inclusion in work plan: Project status and milestones:	European Commission 2015
<ul style="list-style-type: none"> • Five draft updated Test Guidelines approved by the WNT in April 2016 (TGs 220-222-226-228-232) 	
Project 2.57: Guidance Document on Juvenile Medaka Anti-androgen Screening Assay	
Lead: Inclusion in work plan: Project status and milestones:	Japan 2016
<ul style="list-style-type: none"> • Preliminary draft test protocol will be prepared by lead country in early 2016. • A ring test will be organised by lead organization and an inter-laboratory validation (phase 1) will be conducted in 2016. • A draft report of the phase 1 validation will be prepared and submitted to existing expert groups (FDG and/or VMG-eco) in early 2017. • A final report of the phase 1 validation and draft test protocol, revised based on the results of the review of the expert groups, will be prepared in 2017. • Phase 2 validation study will be conducted in early 2018 and a draft report of the phase 2 validation and a revised draft test protocol will be prepared and submitted to the expert groups in autumn 2018. • Revised draft guidance document and validation reports will be delivered by the end of 2018/ the beginning of 2019 for WNT commenting. • Final draft guidance document will be submitted to the WNT in 2019. 	
Project 2.58: New Test Guideline on a Short-term Juvenile Hormone Activity Screening Assay using <i>Daphnia magna</i>	
Lead: Inclusion in work plan: Project status and milestones:	Japan 2016
<ul style="list-style-type: none"> • Primary discussion of project by existing expert group (VMG-eco) was conducted in October 2015. • The draft protocol for validation studies will be prepared and discussed in expert group (if necessary) in early 2016. Also the participating laboratories to ring-test will be organized by lead laboratory. • Inter-laboratory validation will be conducted in 2016-2017. • Draft test guideline and report(s) of validation studies will be prepared and submitted to the expert groups (VMG-eco and Invertebrate expert group) in autumn 2017. • Revised draft test guideline and validation reports will be delivered by the end of 2017/ the beginning of 2018 for WNT commenting. • Final draft test guideline will be submitted to the WNT in 2018. (earliest) • No Ad Hoc Expert Group seems necessary. The Invertebrate Expert Group and VMG-eco can 	

provide necessary advice.

Project 2.59: New Test Guideline on Zebrafish Extended One Generation Reproduction Test (ZEOGRT)

Lead: Inclusion in work plan: Project status and milestones:	Germany 2016
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- VMG-eco and Fish Drafting Group will be regularly informed about the progress of the project.
- Validation study 2016/2017: The aim is to test two substances according to the protocol by at least four laboratories.

Project 2.60: Test Guideline: Homing flight test on honeybee (*Apis mellifera* L.) after single exposure to sublethal doses

Lead: Inclusion in work plan: Project status and milestones:	France 2016
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- May to August 2016: Ring test experiments 2016 (running tests)
- July to December 2016: Data analyzes of the ring test results 2016;
- January 2017: Meeting of working group to deliver overall results;
- February to April 2017: Guideline proposal to the ring test group;
- May 2017: First commenting round on draft TG;
- October 2017: Second commenting round on draft TG.

SECTION 3
PROJECTS RELATED TO TEST GUIDELINES ON ENVIRONMENTAL FATE

Project 3.7: New GD for the revised OECD TG 305: Bioaccumulation in Fish: Aqueous and Dietary Exposure	
Lead: Inclusion in work plan: Project status and milestones:	Germany, Netherlands, United Kingdom 2012
<ul style="list-style-type: none"> • Development of a companion Guidance Document for the OECD TG 305. • 16-17 June 2014: Expert Meeting in Utrecht, Netherlands. • Circulation of the draft companion document in May 2016 to the WNT and Expert Group for review and comments. 	
Project 3.8: Test Guideline on agglomeration behaviour of nanomaterials in different aquatic media	
Lead: Inclusion in work plan: Project status and milestones:	Germany 2014
<ul style="list-style-type: none"> • Until Oct. 2014: Experimental development of the test methods to determine the dispersibility and dispersion behaviour of nanomaterials; • November 2014: January 2015: Composing the draft TG on dispersibility and dispersion behaviour of nanomaterials; • January 2014: Project Meeting in Dessau to discuss technical aspects of the draft TG • Summer 2015: round robin test; • September 2015: a WNT/WPMN expert group meeting was held in Paris; • 1st draft TG completed in January 2016; • January - February 2016 – 1st WNT commenting period; • July 2016: 2nd WNT commenting round • April 2017: WNT approval 	
Project 3.9: New GD (Decision-Tree) on agglomeration and dissolution behaviour of nanomaterials in aquatic media:	
Lead: Inclusion in work plan: Project status and milestones:	Germany 2014
<ul style="list-style-type: none"> • Until October 2014: elaboration/verification of the proposed Decision Tree; • January 2014: Project Meeting in Dessau to discuss technical aspects of the draft GD • April-June 2015: post-evaluation of specific aspects of the GD proposal; • September 2015: WNT Expert Group Meeting was held in Paris, where possible content of the GD was discussed. • Q4 2016-Q1 2017: Drafting of GD depending on the availability of the draft TG on dissolution rate. 	
Project 3.10: New TG on dissolution rate of nanomaterials in aquatic environment	
Lead: Inclusion in work plan: Project status and milestones:	United States 2014
<ul style="list-style-type: none"> • May to Nov. 2014: drafting of new TG on dissolution rate of nanomaterials; • Nov. 2014 to June 2015: draft TG distributed to volunteer laboratories for round-robin 	

evaluation of the protocols proposed;

- September 2015: WNT Expert Group Meeting was held in Paris
- Ring test planned to start in January 2016;
- FEB 2016 - Finalizing the dissolution guideline document and developing the protocol that will be used for the ring test. The comments from the last Expert WG meeting are being addressed/ incorporated in the latest version;
- Data collection beginning in February 2016 following the protocol; testing CuO, AgNP pre-dispersed (75 nm), powdered 20 nm AgNP;

Project 3.11: New TG for nanomaterial removal from wastewater

Lead: Inclusion in work plan: Project status and milestones:	United States 2014
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- June 2014 – Expert Group established under WPMN and WNT;
- May to August, 2016 - The round robin data set for the gold nanoparticle will be assembled and analysed by the research group;
- September to February, 2017 - The research group will complete any necessary adjustments to the draft TG and create a properly formatted document for the OECD nano-expert group
- March, 2017 - A teleconference will be held where the chairs can become acquainted with the nano experts. A revised work plan and schedule will be discussed. The experts will be asked to provide additional nano and non-nano topics to be considered for inclusion in the TG. Leads will be assigned to revise the TG.
- April, 2017 - Working drafts of the revised TG are shared with the Expert Group one week prior to a teleconference when the revisions will be discussed. will assign leads. Leads will be assigned to draft text for the TG.
- June to October, 2017 - As necessary additional teleconferences will be held to discuss revisions to the TG.
- October, 2017 - A final teleconference will have the primary goal of achieving consensus on revisions to the TG. Revisions can be made during the meeting. The goal is to complete revisions to the document; but if additional issues are raised, assignments will be made to research the issues and draft text for further consideration by the Expert Group.
- December, 2017 - Submission of the revised TGs and GDs to the WNT for approval.

Project 3.12: New GD on assessing the apparent accumulation potential for nanomaterials

Lead: Inclusion in work plan: Project status and milestones:	United Kingdom, Finland and Spain 2014
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- Draft guidance was produced by October 2015;
- Draft GD considered not to be ready for WNT commenting;
- Project on hold due to lack of resources in lead countries.

Project 3.13: New TG *in vitro* Fish Hepatic Metabolism

Lead: Inclusion in work plan: Project status and milestones:	United States and European Commission 2014
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- Formation of an OECD *Ad Hoc* Expert Group to oversee planning and conduct of the definitive multi-laboratory ring trial (May 2014);
- 1st Teleconference call of OECD Ad Hoc Expert Group in vitro Fish Hepatic Metabolism in August 2014 to discuss validation plan;
- Discussion of validation plan at VMG-eco meeting in December 2014;
- multi-laboratory ring trial in November 2014 - September 2015;
- Data analysis in Q4 2015 – Q2 2016;
- F2F meeting of trial participants in Q4 2015
- Drafting of ring trial report, guidance document & 1st draft TGs in Q3 2016;
- Discussion of ring trial report, guidance document & 1st draft TGs with OECD Ad Hoc Expert Group in vitro Fish Hepatic Metabolism Q3 2016
- Discussion of above documents during VMG-eco meeting in October 2016;
- Launch of WNT commenting rounds (draft final ring trial report, 1st draft TGs, 1st draft guidance documents) Q4 2016 / Q1 2017
- Discussion at VMG-Eco meeting in October 2017
- TGs, guidance document finalization & submission for WNT approval (2018).

SECTION 4
PROJECTS RELATED TO TEST GUIDELINES ON HEALTH EFFECTS

Project 4.2: New TG 433: Fixed Dose Procedure as Alternative to TG 403	
Lead: Inclusion in work plan: Project status and milestones:	United Kingdom 2001
<ul style="list-style-type: none"> • 1st version circulated in October 2002; • Version 2 and compilation of comments circulated for review in June 2004; • Expert group Meeting in Germany in February 2006; the meeting established a Performance Assessment Group (PAG) to investigate the bio-statistical approaches and the overall performance of the alternative; • Progress presented at expert group meeting on acute inhalation toxicity, 7-9 November 2006, Washington D.C.; • Progress report presented at WNT 19. WNT 19 agreed on the submission of acute inhalation projects as a package; • Issue on the use of “evident signs of toxicity” has to be resolved before PAG report is finalised; • In 2013, retrospective data collected (n~500) studies on 2-4 concentrations; draft document and report in preparation for the WNT to consider; • WNT review of the draft TG 433 in January-February 2016; • Follow-up teleconference in May-June 2016 between the United States, Netherlands and the United Kingdom to address remaining issues. 	
Project 4.33: EDTA Activity - New TG: Stably Transfected Transcriptional Activation (STTA) Assay for the detection of androgenic and anti-androgenic activity of chemicals	
Lead: Inclusion in work plan: Project status and milestones:	Japan 2008
<ul style="list-style-type: none"> • Draft TG and validation report approved/endorsed by the WNT in April 2016. 	
Project 4.62: Revision of the introduction to the OECD TGs on genetic toxicity testing and guidance on the selection and application of the assays	
Lead: Inclusion in work plan: Project status and milestones:	Netherlands, France, Canada, United States 2011
<ul style="list-style-type: none"> • The Overview Document was approved by the WNT in April 2016. 	
Project 4.73: New TG: Performance-Based Test Guideline on Androgen Receptor Transactivation Assays	
Lead: Inclusion in work plan: Project status and milestones:	European Commission 2013
<ul style="list-style-type: none"> • SPSF was approved and may be merged with project 4.33 when the validation is completed. • Validation trial expected to take place in 2015-2016 and draft validation report available early 2017. 	
Project 4.75: New TG on human Cell Line Activation Test (h-CLAT): an in vitro method for identifying the skin sensitisation potential of chemicals	
Lead: Inclusion in work plan: Project status and milestones:	Japan and European Commission 2013

<ul style="list-style-type: none"> The TG was approved by the WNT in April 2016. 	
<p>Project 4.76: Performance-Based Test Guideline for the establishment on human-derived hepatic system to investigate biotransformation and toxicity of compounds by evaluation of CYP450 induction competence</p>	
Lead: Inclusion in work plan: Project status and milestones:	European Commission 2013
<ul style="list-style-type: none"> Draft TG, Performance standards and validation report submitted to Secretariat in August 2014; Draft TG submitted to the WNT for commenting in September 2014; Discussion in expert group meeting on 11-12 May 2015 at OECD in Paris; The project is currently on hold until the leadership by the EC can resume. 	
<p>Project 4.77: Feasibility study for a Guidance Document on Study Designs, to be used in revisions of Guidelines</p>	
Lead: Inclusion in work plan: Project status and milestones:	Netherlands 2013
<ul style="list-style-type: none"> Feasibility study prepared mid-2014; Expert meeting held on 20-21 November 2014 in Amsterdam to discuss the feasibility study; Lead country working on the feasibility study using data from 28-d repeated dose toxicity studies; status report on analysis of studies expected in early 2016. 	
<p>Project 4.78: Updated TG 488, Transgenic Rodent Somatic and Germ Cell Gene Mutation Assays</p>	
Lead: Inclusion in work plan: Project status and milestones:	Canada 2013
<ul style="list-style-type: none"> First step: bring text clarifications and corrections: completed at WNT in April 2013; the updated TG 488 was approved and published in July 2013; Second step: Further update based on additional germ cell research and harmonisation with the other <i>in vivo</i> Test Guidelines started in 2014; New updated TG 488 will be prepared when other genotoxicity TGs are updated; Additional germ cell research is now in progress and it is anticipated that a draft revised TG, if necessary, would be ready for a first WNT commenting round in mid-2016. 	
<p>Project 4.79: Revision or replacement of TG 402 on Acute Dermal Toxicity Test</p>	
Lead: Inclusion in work plan: Project status and milestones:	United Kingdom 2014
<ul style="list-style-type: none"> July – September -2014: Collate data from partners; October – December 2014: Assess data and write report; First half of 2015: lead country prepared a proposal for an updated TG 402, supported by the data analysed; organised a commenting round on the draft documents; Draft updated TG 402 circulated for comments to WNT and Expert Group in November 2015; The draft revised TG 402 will be circulated for a second commenting round in Q2 2016, following a conference call with representatives from countries who submitted comments; 	

<ul style="list-style-type: none"> Possible approval of the draft updated TG 402 by WNT via the written procedure in 2016. 	
Project 4.82: Update of TG 455 for inclusion of Transcriptional ERalpha CALUX assay for the detection of (anti)estrogenic chemicals	
Lead: Inclusion in work plan: Project status and milestones:	Netherlands 2014
<ul style="list-style-type: none"> Draft updated TG 455 approved by the WNT in April 2016. 	
Project 4.83: New GD on Waiving of Bridging Mammalian Acute Toxicity Tests	
Lead: Inclusion in work plan: Project status and milestones:	United States and Canada 2014
<ul style="list-style-type: none"> Draft Guidance Document approved by the WNT in April 2016. 	
Project 4.84: Amendments to the Inhalation TGs and GD to accommodate nanomaterial safety testing	
Lead: Inclusion in work plan: Project status and milestones:	United States 2014
<ul style="list-style-type: none"> SPSF was approved mid-2014 taking into account modifications requested at WNT-26 for softer language as regards mandatory vs. optional required measurements in the TGs. Teleconference of the expert group in May 2015; the conduct of a desk/feasibility study focusing on broncho-alveolar lavage and lung burden was decided to support inclusion of the endpoints in TG 412 and TG 413; A meeting of the Expert Group was held in Washington on 21-22 September 2015; followed by a WNT commenting round on the draft updated TG 412 and TG 413; A teleconference was held in December 2015 to address issues raised where the lead country required discussion among experts; A second commenting round was organised in January 2016; the issues related to the update of the TGs were precisely identified at WNT in April 2016, with an agreed way forward for the Expert Group; a meeting of the Expert Group is scheduled for 31 Oct.-1 Nov. 2016. 	
Project 4.86: A new TG on SkinEthic™ Human Corneal Epithelium (HCE) Eye Irritation Test (EIT) for identifying chemicals not requiring a classification for eye irritation or serious eye damage under UN GHS	
Lead: Inclusion in work plan: Project status and milestones:	France 2015
<ul style="list-style-type: none"> Q4 2015-Q1 2016: finalisation of the validation study and preparation of the report, followed by independent peer-review by ESAC. Independent peer review by ESAC is ongoing (first draft available, completion of the peer review during the ESAC meeting in June 2016). Q3 2016: If positive answer from ESAC, draft TG and supporting information will be provided to the OECD for circulation to the Eye irritation expert group and the WNT, with a request to comment on the draft Test Guideline. Q4 2016: Depending on the comments received, the expert meeting on eye irritation will address comments received at its meeting on 3-4 November 2016. Possible submission to 	

WNT for approval in 2017.	
Project 4.87: In vitro Macromolecular Test Method for Identifying i) Chemicals Inducing Serious Eye Damage and ii) Chemicals Not Requiring Classification for Eye Irritation or Serious Eye Damage	
Lead: Inclusion in work plan: Project status and milestones:	Italy 2015
<ul style="list-style-type: none"> • Q2 2016: first draft of the new proposed TG made available for a first WNT commenting round; • Q2 2016: considerations of the EURL-ECVAM peer-review opinion and of comments from the first WNT commenting round to revise the draft Test Guideline accordingly for a second WNT commenting round; • Q1 2017: final revisions of the new proposed Test Guideline made available for discussions at the spring 2017 WNT meeting. 	
Project 4.88: Histopathology as Addendum to OECD Test guideline 438 Isolated Chicken Eye Test for the Determination of Ocular Irritation of Detergent and Cleaning Products	
Lead: Inclusion in work plan: Project status and milestones:	Netherlands 2015
<ul style="list-style-type: none"> • Q2 2015: <ul style="list-style-type: none"> ○ Final report of the A.I.S.E. <i>in vitro</i> ICE test method programme circulated to the OECD Expert Group on Eye Corrosion/Irritation ○ A proposed revision of the Test Guideline 438 to incorporate histopathology as an additional endpoint for classification of non-extreme pH and extreme pH detergent and cleaning products and surfactants circulated to the Expert Group for commenting. • November 2015: a meeting of the OECD expert group on eye irritation/corrosion was held to address comments and further revise draft Test Guideline 438 to incorporate histopathology as an additional endpoint; • The lead country will continue efforts to collect data to support the validity of histopathology as an endpoint in TG 438 in 2016 • Q3 2016: Process and incorporate suggestions and adaptations to the proposed addendum to TG 438; • Q3 2016: Review of additional data/report by the Expert Group at its November meeting; • Jan 2017: A final draft revised Test Guideline 438 to incorporate histopathology as an additional endpoint will be submitted to WNT for approval in April 2017. 	
Project 4.89: Proposed Revision to OECD Guidance Document No. 160 on the Isolated Chicken Eye Test (including Histopathology)	
Lead: Inclusion in work plan: Project status and milestones:	Netherlands 2015
<ul style="list-style-type: none"> • Q2 2015: A proposed revision of the Guidance Document No. 160 to incorporate histopathology as an additional endpoint for classification of non-extreme pH and extreme pH detergent and cleaning products and surfactants circulated to the Expert Group and WNT for comment; • November 2015: Meeting of the OECD expert group on eye irritation/ corrosion to address comments and revise the draft Guidance Document No. 160 Discussion on inclusion of the 	

<p>scoring system, decision tree, and the prediction model in either GD160, or in TG438;</p> <ul style="list-style-type: none"> • The lead country will continue efforts to collect data to support the validity of histopathology and to revised GD 160 accordingly in 2016; • Q4 2016: Process and incorporate suggestions and adaptations to the proposed revision of GD160; • Jan 2017: A revised Guidance Document No.160 to incorporate histopathology as an additional endpoint for classification of non-extreme pH detergent and cleaning products and surfactants will be submitted to WNT for adoption in April 2017. 	
<p>Project 4.90: GD on IATA for Serious Eye Damage and Eye Irritation</p>	
<p>Lead: Inclusion in work plan: Project status and milestones:</p>	<p>United States/ European Commission 2015</p>
<ul style="list-style-type: none"> • First draft IATA document available in December 2015 for an internal review within the lead countries' group; • Commenting by WNT and Expert Group by February 2016; • Second draft IATA document available by October 2016; • Meeting of the Eye irritation Expert group on 3-4 November 2016 at OECD; • Commenting by WNT and Expert Group starting Q4 2016; • Submission for approval by WNT in April 2017. 	
<p>Project 4.91: IL-8 Luc assay: An In Vitro Method for Identifying the Skin Sensitisation Potential of Chemicals</p>	
<p>Lead: Inclusion in work plan: Project status and milestones:</p>	<p>Japan 2015</p>
<ul style="list-style-type: none"> • The experimental part of the IL-8 Luc assay validation study was completed in September 2014 , the independent peer review by the JaCVAM started in February 2015; • The appropriateness of generating additional information with the IL-8 Luc assay will be contingent on the outcome of the peer review by JaCVAM. Peer review report submitted in May 2016; • Draft Test Guideline will be submitted by the lead country in May 2016 for review and commenting by experts. 	
<p>Project 4.92: Myeloid U937 Skin Sensitization Test (U-Sens) for identifying skin sensitization potential of chemicals</p>	
<p>Lead: Inclusion in work plan: Project status and milestones:</p>	<p>France 2015</p>
<ul style="list-style-type: none"> • Validation test report submitted to EURL ECVAM in July 2014 and revised in Q4 2015. • Q1 – Q2 2016: Independent peer review by ESAC is ongoing (first draft available, completion of the peer review during the ESAC meeting in June). • Q3 2016: If positive answer from ESAC, draft TG and supporting information will be provided to the OECD for circulation to the Skin irritation expert group and the WNT in August, with a request to comment on the draft Test Guideline. 	
<p>Project 4.93: new Test Guideline for the Pig-a Assay, an <i>in vivo</i> Gene Mutation Assay Promoting the 3Rs Principles</p>	
<p>Lead: Inclusion in work plan:</p>	<p>United States 2015</p>

Project status and milestones:	
<ul style="list-style-type: none"> • Expert Working Group (EWG) formed(Q2 2015); • Prepare draft DRP and validation/RPA document: Q2 2015-February 2017; • Public commenting on draft DRP and validation/RPA document, revision as necessary: February 2017-November 2017; • Submit revised DRP and validation/RPA document to WNT: Nov 2017; • Upon WNT approval of DRP/validation/RPA, prepare draft TG: Q2 2018-February 2019; • Public commenting on draft TG, revision as necessary: February 2019-November 2019; • Submit revised TG to WNT: November 2019; TG considered by WNT 2020. 	
Project 4.94: IATA on Non-Genotoxic Carcinogens	
Lead: Inclusion in work plan: Project status and milestones:	United Kingdom 2015
<ul style="list-style-type: none"> • April/May 2015: Presentation of revised first draft to the WNT (April 2015), and preparation of manuscript for journal submission. • May-July 2015: refinement of thought starter following second WNT review, and finalisation of manuscript. • Q4 2015: development of an overview paper on available alternative methods in the area on non-genotoxic carcinogenicity, circulated in January 2016 to the expert group for their review; • Kick-off face-to-face meeting: 30-31 March 2016; • Expert Group to continue working on the development of the IATA document through 2016; next teleconferences to take place in September 2016. 	
Project 4.95: Guidance Document on the Adaptation of In Vitro Mammalian Cell Based Genotoxicity TGs for Testing of Manufactured Nanomaterials	
Lead: Inclusion in work plan: Project status and milestones:	European Commission 2015
<ul style="list-style-type: none"> • Initial work on the definition of the most appropriate parameters needed for a good protocol and interlaboratory comparison study of the optimised protocol in 2015-2016. The proposal aims at developing a Guidance Document that will support the existing genotoxicity Test Guidelines by indicating where protocol modifications and special considerations should be applied when the test item is a NM. 	
Project 4.96: EDTA Activity: Deletion of TG 457	
Lead: Inclusion in work plan: Project status and milestones:	Secretariat 2015
<ul style="list-style-type: none"> • The WNT approved deletion of TG 457 in April 2015; this decision will formally be made by OECD Council in 2016 together with the next addendum. 	
Project 4.97: EDTA Activity: Detailed Review Paper on Retinoic Acid Pathway	
Lead: Inclusion in work plan: Project status and milestones:	Sweden 2015

- 2015-2017: Drafting of the retinoid DRP with focus on the RAR-RXR; PPAR-RXR; and VDR-RXR signaling and metabolic pathways.
 - Initial literature search (*month 6*)
 - Kick-off workshop (*month 8*)
 - Detailed time-planning for the RAR-RXR part of the DRP (*month 9*)
 - Time-plan for the initial PPAR and VDR parts of the DRP (*month 10*)
 - Time-plan for RSE and AOP efforts for the RAR-RXR part of the project (*month 10*)
- These are all internal steps and the project will really start at OECD level with some exchange and discussions in 2017.

Project 4.98: EDTA Activity: developing a list of reference chemicals for E-A-S metabolism

Lead:	United Kingdom
Inclusion in work plan:	2015
Project status and milestones:	

- Activity initiated under the Validation Management Group for non-animal tests;
- Q4 2016: Preparation of a discussion paper for the VMG-NA
- First draft document available to WNT for review in 2017.

Project 4.99: EDTA Activity: New TG on Androgen Receptor Transactivation Assay

Lead:	Korea
Inclusion in work plan:	2015
Project status and milestones:	

- This assay should be seen as a candidate for inclusion in the overall PBTG for ARTA, in conjunction with similar projects on the work plan (i.e. 4.33 [JP] and 4.73 [EC]);
- In December 2014 the VMG-NA discussed the need for further validation to reduce the variability across laboratories;
- Pre-validation report available in April 2015.
- Further validation data collected and discussed in December 2015 by the VMG-NA.
- Completion of validation study expected in 2016.

Project 4.100: EDTA Activity: Feasibility study for minor enhancements of TG 414 (Prenatal Developmental Toxicity Study) with ED-relevant endpoints

Lead:	Denmark
Inclusion in work plan:	2015
Project status and milestones:	

- **2015:**
 - Teleconference with Expert group in November 2015 to kick-off the feasibility study;
- **2016:**
 - Denmark is carrying out the feasibility study until May 2016;
 - Teleconference of the Expert Group to discuss the outcome of the study and recommendation for amendments in the TG ;
 - Draft final revisions as appropriate, and organise commenting rounds until the end of 2016;
- **2017:** if proposed modifications are supported by the group, submission of the draft updated TG 414 to WNT for approval.

Project 4.101: EDTA Activity: Exploring the Concept of Developing Pathway-Based Test Method Performance Metrics: a Case Study Using Estrogen Receptor Signalling

Lead:	United States
Inclusion in work plan:	2015
Project status and milestones:	

- Discussion of project by existing expert group, EDTA (composed of lead and participating organizations): October 2015
- Discussion of project by existing expert group, VMG-NA (composed of lead and participating organizations): December 2015
- Review of assay data and reference chemicals for consistency of performance across key events in the ER Pathway: early 2016
- Presentation of draft White Paper to EDTA and VMG-NA: Dec 2016
- Consideration of concepts presented in the White Paper by lead organizations: early 2017
- Decision from EDTA and VMG-NA regarding the feasibility of using the proposed approach to develop a Guidance Document for methods assessing ER Pathway activity: Dec 2017;
- Submit SPSF for TG to WNT, if supported by EDTA and VMG-NA: 2018.

Project 4.102: EDTA Activity: Elaborating the Conceptual Framework for cross linkage between the human and ecotoxicology components: Three case studies to supplement GD 181

Lead: Inclusion in work plan: Project status and milestones:	United Kingdom 2015
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- Proof of concept exercise using case studies to examine the ways in which data derived for human risk assessment can be used for environmental risk assessment and vice versa (Integrated Risk Assessment (IRA) approaches) and how this can be applied in practice to chemicals hazard evaluation.
- Addition of case studies to the GD 181

Timelines:

- conduct 3 case studies in late 2015- early 2016;
- present these to the EDTA-AG in 2016;
- following review, propose for addition to the GD 181.

Project 4.103: EDTA Activity: Species concordance and species differences considerations in extrapolation of chemical effects across species *in vitro*

Lead: Inclusion in work plan: Project status and milestones:	United Kingdom and the Netherlands 2015
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Outcomes and deliverables: Prioritisation of which end points and *in vitro* assays to be further encouraged for development by the VMG-NA and how these can inform the broader work proposed in the EDTA-AG.

- Information review and capture: Jan-June 2015;
- Progress has been delayed on this project.

Project 4.104: Joint WNT-WG GLP Activity: Development of Guidance on good *in vitro* method practice

Lead: Inclusion in work plan: Project status and milestones:	European Commission 2015
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- Joint activity between the Working Group on Good Laboratory Practice and the Working Group of the National Coordinators of the Test Guidelines Programme;

<ul style="list-style-type: none"> Formation of a drafting group to contribute to ECVAM's endeavor to develop the first draft for review mid-2016;. 	
Project 4.105: New TG: ROS Assay: An In chemico Method for Identifying the Phototoxic Potential of Chemicals	
Lead: Inclusion in work plan: Project status and milestones:	Japan 2016
<ul style="list-style-type: none"> Japan will submit draft a test guideline by Q3 2016; The Expert Group on skin and eye irritation will discuss this assay at their November 2016 meeting if possible. 	
Project 4.106: New TG: Genomic Assay Rapid Detection test for skin (GARDskin) test: An in vitro method for identification of skin sensitizers based on a genomic interpretation of the impact of chemicals on human dendritic cell-like cells (AOP key event 3).	
Lead: Inclusion in work plan: Project status and milestones:	Sweden 2016
<ul style="list-style-type: none"> Protocol for validation ready in October 2016 followed by validation; Statistical analysis and validation report by May 2017; ECVAM Recommendation available in Q3 2018. 	
Project 4.107: New TG: Toxicogenomic analysis on 3D reconstituted epidermis for measuring skin sensitization potency – the SENS-IS assay.	
Lead: Inclusion in work plan: Project status and milestones:	France 2016
<ul style="list-style-type: none"> Second - third quarter 2016: development of a draft test guideline Fourth quarter 2016 : Discussion of the document within the Expert Group on Skin Sensitisation First quarter 2017: Revision of the draft Test Guideline according to the outcomes of the Expert Group meeting Second quarter 2017: First public commenting on draft TG Third quarter 2017: Responses to comments and revision of draft TG accordingly Fourth quarter 2017: <ul style="list-style-type: none"> - Discussion of the comments and the revised document within the Expert Group - Submission of the revised version to WNT April 2018: Acceptance of the guideline expected at WNT 30 	
Project 4.108: Updated TG 442B: Local Lymph Node Assay Using Flow Cytometry (LLNA: BrdU-FCM)	
Lead: Inclusion in work plan: Project status and milestones:	Korea 2016
<ul style="list-style-type: none"> plan to conduct peer review after proposal is included in the TGP Work Plan for 2016; A peer review panel will evaluate the within- and between-laboratory reproducibility and predictive capacity of the LLNA: BrdU-FCM; Expectation that OECD expert group will discuss usefulness of the test method in view of its limitations, protocol and other factors; 	

<ul style="list-style-type: none"> • A draft test guideline will be prepared around July 2016. 	
Project 4.109: DRP on the Miniaturized versions of the Bacterial Gene Mutation Test	
Lead: Inclusion in work plan: Project status and milestones:	Belgium/United States/Netherlands 2016
<ul style="list-style-type: none"> • Retrospective validation/ Consolidation of existing Ames MFA data; Scientific peer review of existing data (2016); • Prospective validation; Generation of additional data based on the outcome of the retrospective validation process; Start writing the draft DRP (2016); • End of validation process / Draft DRP (Q2 2017); Commenting and approval on DRP (Q4 2017); 	
Project 4.110: Stakeholder workshop on integrated testing strategy for developmental neurotoxicity (DNT)	
Lead: Inclusion in work plan: Project status and milestones:	European Commission 2016
<ul style="list-style-type: none"> • Key milestones include: preparation of the workshop agenda, clear description of workshop objectives and content, publication of the event, execution of the meeting, preparation of the event report/publication. • The event will take place during the 4Q2016, indicatively on 18th of October, very likely in Brussels. EFSA will take care of all the practical aspects regarding the event organization; • the intention is to initiate a number of activities leading to the proposal for an integrated testing strategy for the developmental neurotoxicity, including the identification of candidate in vitro methods for further standardisation/validation. This is expected to be of interest for the OECD. 	
Project 4.111: Update of the repeated dose oral toxicity 90-day study (OECD TG 408) with parameters for ED	
Lead: Inclusion in work plan: Project status and milestones:	Netherlands 2016
<p>Workplan/time line</p> <ul style="list-style-type: none"> • June-September 2016 either teleconference (with expert group members of TG 414) or expert meeting on the measurements, timing, randomisation, method for measuring hormone levels/weight); • October 2016: updated TG circulated for review; • December 2017: teleconference with the (TG 414) expert group (if needed); • January 2017 circulation of revised TG; • April 2017: adoption of TG in WNT. 	

SECTION 5
**PROJECTS RELATED TO OTHER TEST GUIDELINES/ OTHER AREAS OF TESTING/
PROJECTS OF GENERAL NATURE**

Project 5.9: Revision of GD on Crop Field Trials and new GD on residues in rotational crops

Lead:	Germany and Australia through the WG Pesticides
Inclusion in work plan:	2008
Project status and milestones:	

- 1) Updating of 2011 Guidance Document on Crop Field Trials
 - Revision of the 2011 Guidance Document on crop field trials by the Residue Chemistry Expert Group (RCEG); the work is led by Germany.
 - September-October 2014: First commenting round by WNT and WGP.
 - Expert meeting of the RCEG on 7-8 July 2015, OECD, Paris.
 - Second WNT and WGP commenting round: October-November 2015.
 - Submission to WNT and WGP for approval at WNT28 and WGP31 in 2016.

- 2) New Guidance Document on Residues in Rotational Crops:
 - Development of a Guidance Document on residues in rotational crops by the RCEG; the work is led by Australia.
 - Expert meeting of the RCEG on 7-8 July 2015, OECD, Paris.
 - Draft GD expected in the first half of 2016 for a first broad commenting round (through WNT and WGP).

Project 5.10: New TG: Testing Efficacy of Porous and Non-Porous Treated Articles (EBTA)

Lead:	Germany through the TF Biocides
Inclusion in work plan:	2011
Project status and milestones:	Tier 2 activity: laboratory-based tests to substantiate claims for treated articles

- 2014: Beginning of Tier 2 work: Development of Guidance Document on Tier 2 laboratory-based tests used to substantiate claims for treated articles.
- Contract signed in December 2014 with consultant for drafting a Tier 2 test
- Review of the first draft GD (including one example protocol) by the EBTA at the October 2015 EBTA meeting in Prague.
- Final draft GD (including two example protocols) provided on 2 December 2015.
- Circulation of the draft GD to TFB and WNT for a first commenting round mid- 2016.

Project 5.13: New GD for Pesticide Terrestrial Field Dissipation Studies, including a Crosswalk between North America and European Ecoregions

Lead:	Canada, USA and EFSA through the WG Pesticides
Inclusion in work plan:	2013
Project status and milestones:	

- Development by the *ad hoc* Expert Group of: 1) OECD guidance on the conduct of pesticide TFD studies; and 2) a crosswalk between North-American and European ecoregions, to take into account the outcomes and recommendations from a March 2011 Workshop.
- July-September. 2014: 1st commenting round of draft GD through the WGP and WNT.
- March-April 2015: Second commenting round of draft GD through the WGP and WNT.
- 20th October 2015: Submission to WNT and WGP for approval under written procedure.
- Mid-December 2015: Submission to Joint Meeting for declassification (written procedure).
- Publication in both series on Testing & Assessment and Pesticides expected in January or

February 2016.

Project 5.16: Guidance Document on Laboratory Assays for Evaluating the Efficacy of Biocides against Bed Bugs

Lead: Inclusion in work plan: Project status and milestones:	United States through the TF Biocides 2015
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- OECD draft guidance document intended for January 2016;
- Organize OECD workgroup and OECD review (2016);
- Final OECD guidance document completed in 2016 or early 2017 depending on review time and revision;
- Initial project lead has retired and 2 new nominees have been assigned to the project, they are coming up to date with progress to date and an update on work is forthcoming.

ANNEX 1

PROJECTS THAT ARE REMOVED AFTER TWO YEARS WHEN NO LONGER SUPPORTED

Project 2.4: New TG 2-Generation Avian Toxicity	
Lead:	United States
Inclusion in work plan:	1999
Inclusion in Annex 1	2014
<ul style="list-style-type: none"> • Initial draft TG in 1999; decision to conduct an avian dosing study to be considered after DRP approval (Project 2.5 completed); • Species comparison study circulated to the expert group in April 2005; • Avian dosing study (July 2005) and revised draft TG (November 2005) presented at VMG-eco meeting in December 2005; • Revised draft TG used in developing a protocol for a demonstration study; • Report of the demonstration study expected before the end of 3rd quarter 2010; • Revised SPSF expected to be submitted for the 2011 WNT meeting; • Progress report at the VMG-eco in November 2011; • Experimental work expected to be completed in May 2012; • Post study/histopathology expected end 2012; • Validation report expected in spring 2013; the US is considering the recommendations from the Science Advisory Panel meeting held in 2013. • General discussion during the VMG-Eco in December 2014, no concrete proposals for a way forward were presented. 	
Project 2.13: EDTA Activity: New TG for Mysid Life Cycle Toxicity Test	
Lead:	United States
Inclusion in work plan:	2002
Inclusion in Annex 1	2014
<ul style="list-style-type: none"> • First proposal for a TG submitted in 2004; • Pre-validation work completed in the U.S. in July 2005; • Issue discussed at the 2nd Meeting of the invertebrate expert group, on 3-4 November 2005, and progress report at the VMG-eco in December 2005; • Preliminary ring test results available. More validation needed; • Optimisation; US may pursue a national development of the test method depending on the interest of other member countries; • Secretariat asked the WNT whether other countries than the US were interested in the project. If no country was interested, the project would be moved to Annex 1; • Germany expressed interest in the project; • Depending on the validation outcome, the SPSF will be revised and other partners will be invited to participate; • Validation work completed (At that time there may be a need for a study comparing the copepod reproduction and development test (Project 2.1) with the mysid test; • Comparison review between copepod and mysid; • Outcome of additional work expected discussed at the VMG-eco meeting (November 2011) • Experimental work expected to be completed in 2nd quarter 2012; • Integrated Summary Report expected to be available in Spring 2013; • Draft TG circulated for a commenting round to the WNT in July 2013; the US are considering the recommendations from the Science Advisory Panel meeting held in 2013; 	

<ul style="list-style-type: none"> Project is put on-hold given the added value of the second generation is not clear and a life-cycle test already exist in the US. 	
Project 2.40: New TG: Fish Reproduction / Partial Lifecycle Test	
Lead:	United States
Inclusion in work plan:	2012
Inclusion in Annex 1	2014
<ul style="list-style-type: none"> Expert group met early September 2011 to finalise fish testing strategies and defined the place for this assay; Discussion at the VMG-eco in November 2011; A desk study comparing the sensitivity of life-stages is recommended; this will determine any further work needed to validate the test design. 	
Project 4.26: Cell Transformation Assay using Balb/c 3T3 cell line	
Lead:	Japan
Inclusion in work plan:	2007
Inclusion in Annex 1	2014
<ul style="list-style-type: none"> EC provided pre-validation and peer review reports in February 2011; WNT discussed the follow-up at its 2011 meeting; Expert meeting held on 14-15 December 2011; Submission of the expert group's recommendations to the WNT at its April 2012 meeting; WNT agreement that a few more chemicals should be tested with the BALB/c 3T3 to confirm the performance of the assay and the statistical approach used for data interpretation before a Test Guideline is developed. 	
Project 4.64: Transcriptional Assay for the Detection of Estrogenic and Anti-Estrogenic Compounds using the MELN Cells	
Lead:	European Commission
Inclusion in work plan:	2012
Inclusion in Annex 1:	2015
<ul style="list-style-type: none"> <i>In vitro</i> transactivation assay (2 protocols: one for a manual test method and one for a high throughput test method); Currently under validation; Expected to be integrated into an updated TG 455; The project was suspended due to issues with contamination of the cells. 	
Project 4.52: TG for the Cytosensor Microphysiometer Test Method: an In Vitro Method for Identifying Chemicals Not Classified as Irritant, as well as Ocular Corrosive and Severe Irritant Chemicals	
Lead:	European Commission
Inclusion in work plan:	2010
Project status and milestones	
<ul style="list-style-type: none"> It is understood there are other purveys of technology and given little progress has made on the project, the US does not think there is a strong argument to pursue the completion of this project based on the lack of value added for regulatory purposes. 	