

WORK PLAN FOR THE TEST GUIDELINES PROGRAMME (TGP)

(July 2009)

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 of a general nature are included after Section 5. Projects remain in the work plan until the publication of the Test Guideline or related document. Each project keeps the same identification number until it is completed. If a project is no longer supported by countries, it is moved in [Annex 1](#) for two years and then deleted. [Annex 2](#) lists adopted Test Guidelines for which an existing template should be revised, or a new template should be developed

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: endocrine disrupters testing and assessment

EPOC: Environmental Policy Committee

NC: national coordinator

SPSF: standard project submission form

VMG-eco: validation management group for ecotoxicity testing

VMG-mam: validation management group for mammalian testing

VMG-non animal: validation management group for non animal testing

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

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

Project 1.1: Updated TG 120 Solution/Extraction Behaviour of Polymers in Water	
Lead:	Canada
Inclusion in work plan:	2007
Project status and milestones:	
<ul style="list-style-type: none">• (Re)-establishment of an expert group;• Teleconference on technical issues and concerns with TG 120, and on a work plan for the expert group in December 2007;• First draft revised TG expected to be circulated to the expert group by July 2009.	

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

Project 2.1: EDTA Activity: New TG for Copepod Reproduction and Development	
Lead:	Sweden
Inclusion in work plan:	2002
Project status and milestones:	<ul style="list-style-type: none"> • Pre-validation completed, expert group meeting on 3-4 November 2005; • Revised detailed ring-test plan circulated in November 2005; Ring-test between November 2005 and mid-2006; • Submission of the draft report to the invertebrate expert group and the VMG-eco; • Additional experimental work (plus report and statistical analysis) completed in 2007 (TESTDEMECO); • Validation report (Phase 1) published in 2007; • Expert group agreement on another ring test. Validation plan developed by Sweden and the US; • Second validation report and draft TG proposal expected in 2009. The TG proposal will be available for comments from the WNT and the validation report will be available as background document.
Project 2.3: New GD for Avian Avoidance Studies	
Lead:	United Kingdom (took over from BIAC in 2004)
Inclusion in work plan:	1999
Project status and milestones:	<ul style="list-style-type: none"> • Expert group meeting in May 2005 (in the margin of Lille SETAC meeting); • Revised draft presented to the expert group in May 2005; • Small expert group meeting in May 2006 (in the margin of SETAC meeting); • Revised SPSF agreed at WNT 19. Two more expert group meetings expected; • Lead country is awaiting the outcome of similar project from EFSA in the EU; • Draft GD expected to be available by the end of 2009.
Project 2.4: New TG 2-Generation Avian Toxicity	
Lead:	United States
Inclusion in work plan:	1999
Project status and milestones:	<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 in December 2005; • Revised draft TG used in developing a protocol for a demonstration study; • Revised SPSF expected when the demonstration project is over, which is expected by end 2009.
Project 2.7: New TG for Fish Embryo Toxicity test	
Lead:	Germany
Inclusion in work plan:	2005
Project status and milestones:	

<ul style="list-style-type: none"> • First draft of the TG and comprehensive background paper sent to the WNT for comments by 1 September 2006; • Establishment of an expert group to address comments received; • First teleconference of expert group on 29 January 2007 (decision on further validation steps), followed by two other conference calls; • Meeting of the expert group on 9-11 October 2007 in Berlin; • Expert group addressed the issue of performance; meeting arranged by ILSI/HESI at L’Oreal in Paris in March 2008 with a session on the OECD FET; • Progress reported to WNT20; • Meeting of the expert group on 14-15 May 2008 in Berlin; • Validation experimental work ongoing.
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Project 2.9: New TG: Collembola Reproduction Test

Lead:	Denmark
Inclusion in work plan:	2005
Project status and milestones:	<ul style="list-style-type: none"> • Ring test in 2005-2006; • Ring test report and draft TG circulated in September 2008; • Response to comments and revised draft TG available in 2009; • Draft TG was approved at the WNT 21 meeting (31 March – 2 April 2009).

Project 2.12: EDTA Activity: TG on a Medaka Life Cycle (MLC)/Multi-generation Test (MMT)

Lead:	United States + Germany + Japan
Inclusion in work plan:	2000
Project status and milestones:	<ul style="list-style-type: none"> • Bilateral work in Japan and the United States on medaka FLC/2-Gen in 2005-2006; Germany is working on a parallel project; • 2007: preparation of a report comparing the various results available, based on 2 to 3 substances (TESTMETEDECO); • Review of statistical issues circulated for comments in September 2007 to the fish drafting group and the VMG-eco [TESTMETEDECO]; • Revised review of statistical issues submitted to the VMG-eco meeting in January 2008; • Development of a TG by Japan and the United States expected at a later stage; • Discussion of the best course of action by the fish expert group as soon as possible.

Project 2.13: EDTA Activity: New TG for Mysid Life Cycle Toxicity Test

Lead:	United States
Inclusion in work plan:	2002
Project status and milestones:	<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; • Optimization ; 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 the Annex;

<ul style="list-style-type: none"> • 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 expected to be completed by late 2009 (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. 	
2.14: Project 2.14: EDTA Activity: Development and Validation of a New TG: Fish Sexual Development Test	
Lead: Inclusion in work plan: Project status and milestones:	Denmark 2003
<ul style="list-style-type: none"> • Optimization of the test methods in 2005; • Validation plan prepared by Denmark and the fish drafting group; • Letter sent to request nomination of laboratories by 23 June 2006; • Pre-validation experimental work started at the end of August 2006; • Draft report and statistical analysis finalized in 2007 (TESTMETEDECO); • Draft report and proposals for follow-up work discussed at the VMG-eco meeting in January 2008; • Consolidated draft Report for Phase 1 circulated to the VMG-eco on 26 June for comments by 18 August 2008; statistical analysis finalised and sent to the Secretariat; • Phase 2 experimental work started in March 2009. 	
Project 2.17: New TG for Avian Acute Toxicity	
Lead: Inclusion in work plan: Project status and milestones:	United Kingdom (took over from BIAC) 1999
<ul style="list-style-type: none"> • Expert group meeting in May 2005; • Statistical analysis; • Report at WNT19 on possible combination of the TG with the US EPA Guideline 850.2100; • Revised SPSF submitted but not discussed at WNT 19; • Draft TG circulated to the WNT in April 2007 for comments by 30 June 2007; • Extended expert group meeting held in September 2007 in the UK; • 2nd round of a Reading Comprehension exercise and simulation report completed in 2008; • Completion of the simulation report (March 2008); • Ring test started in autumn 2008; • Draft validation report and TG expected to be circulated for WNT comments by September 2009; • Draft TG expected to be submitted for WNT approval at the WNT 22 meeting, in 2010. 	
Project 2.18: EDTA Activity: Development and Validation of a new TG: 21-Day Fish Screening Test	
Lead: Inclusion in work plan: Project status and milestones:	Secretariat + Japan 1998
<ul style="list-style-type: none"> • Validation reports (phase 1A and 1B) published (2006); • Report on validation Phase 2 published (2007); • Additional work initiated by CEFIC in 2007 on negative and weakly active substances; 	

<ul style="list-style-type: none"> • Candidate peer reviewers nominated by the NCs; peer review organized by Japan completed end 2007; • Draft WNT Statement, list of technical issues to be addressed by the VMG, and preliminary draft TG circulated in February 2008; • VMV-eco (January 2008) addressed (on a provisional basis) technical issues proposed by the Secretariat and other issues identified by the WNT at the time of the meeting; • Fish drafting group expected to follow-up on the peer review recommendations, as appropriate; • Draft TG sent to the WNT on 12 June 2008 for comments by 1 September; • Fish drafting group meeting on 22-23 October 2008; • WNT commenting round in December 2008-January 2009; • Two different draft TGs were approved at WNT 21 (31 March – 2 April 2009). 	
Project 2.19: EDTA Activity: Development and Validation of Methods in Amphibians	
Lead:	United States + Germany + Japan
Inclusion in work plan:	2000
Project status and milestones:	<ul style="list-style-type: none"> • Validation reports (Phase 1 and 2) published (2007); • Draft validation report (Phase 3) approved by WNT 20 and expected to be published in 2008. • Nomination of candidate peer reviewers by WNT; • Peer review completed and report submitted to WNT in February 2008; • WNT statement on the development of a TG agreed at the WNT meeting in April 2008; • Validation report (phase 3), peer review report and WNT Statement published in 2008; • Meeting of the Amphibian expert group on 21-22 May 2008; • Draft TG circulated to the WNT on 26 June for comments by 15 September 2008; • WNT commenting round in November-December 2008; • Draft TG was approved at WNT 21 (31 March – 2 April 2009).
Project 2.23: The Threshold Approach for Acute Fish Toxicity Testing	
Lead:	European Commission
Inclusion in work plan:	2006
Project Status and milestones:	<ul style="list-style-type: none"> • Submission of the first draft to the Secretariat in June 2008; • First draft sent on 8 July to the WNT for comments by 29 September 2008; • Response to comments and revised draft circulated in December 2008; • Revised draft available for comments from the WNT in May 2009; • Draft GD expected to be submitted for WNT approval at the WNT 22 meeting, in 2010.
Project 2.24: Update of TG 209: Activated Sludge Respiration Inhibition Test	
Lead:	United Kingdom
Inclusion in work plan:	2007
Project Status and milestones:	<ul style="list-style-type: none"> • First draft TG submitted with the SPSF; • Draft TG expected to be circulated early September 2009.
Project 2.25: EDTA Activity - New DRP on Molluscs Life-Cycle Toxicity Testing	
Lead:	United Kingdom + Germany
Inclusion in work plan:	2008

Project Status and milestones:	
<ul style="list-style-type: none"> • SPSF including short review paper submitted to WNT 20; • Circulation of a consolidated draft to Expert Group on Invertebrate Testing (Invertebrate WG) for comments in May 2009; • Consolidated draft expected to be available for comments from the WNT by the end of July 2009. 	
Project 2.26: EDTA Activity- New TG: The 21-Day Female Stickleback Endocrine Screening Assay	
Lead: Inclusion in work plan: Project Status and milestones:	United Kingdom 2008
<ul style="list-style-type: none"> • Retrospective validation and statistical analysis; • Full report ready for peer review by the end of October 2008; • Generation of a small set of data in 2008-2009; validation report sent to the VMG-eco for comments in May 2009; • Draft TG expected to be available for comments from the WNT by the end of June; • Discussion on technical issues expected at the VMG-eco meeting in December 2009. 	
Project 2.27: EDTA Activity - New TG: Fish Short Term Reproduction Assay	
Lead: Inclusion in work plan: Project Status and milestones:	United States 2008
<ul style="list-style-type: none"> • This project should be considered together with Project 2.18; • Information on validation and validation peer review considered by the fish drafting group working on Project 2.18; • Draft TG was approved at the WNT 21 meeting (31 March – 2 April 2009). 	
Project 2.28: EDTA Activity - New TG on a Chironomid Life-Cycle Toxicity Test	
Lead: Inclusion in work plan: Project Status and milestones:	Germany 2008
<ul style="list-style-type: none"> • Draft TG submitted with the SPSF; • OECD ring test expected in 2008; • Ring testing results available end 2008/2009; • Validation status and further need for ring testing expected to be discussed by the invertebrate expert group at its meeting on 8-9 June 2009. 	
Project 2.29: New Guidance Document on Dung Beetles	
Lead: Inclusion in work plan: Project Status and milestones:	European Commission 2008
<ul style="list-style-type: none"> • Draft GD submitted with the SPSF; • Comments requested in September 2008; • Revised draft GD available for comments from the WNT in May 2009. 	
Project 2.30: Fish Testing Framework	
Lead: Inclusion in work plan:	United States 2008

Project Status and milestones:	
<ul style="list-style-type: none"> • Responses to a questionnaire received until 17 April 2009; • Request for nomination of experts in May 2009; • Workshop expected to be held in 2010; • GD and recommendations expected to be completed by April 2010. 	
Project 2.31: EDTA Activity - TG on an Amphibian Growth, Development and Reproduction Assay	
Lead:	United States + Japan
Inclusion in work plan:	2009
Project Status and milestones:	
<ul style="list-style-type: none"> • Discussion of the best course of action by the amphibian expert group as soon as possible 	
Project 2.33: TG for a Protozoa Activated Sludge Test	
Lead:	Germany
Inclusion in work plan:	2009
Project Status and milestones:	
<ul style="list-style-type: none"> • Draft TG available; • Expert group expected to be established in 2009 to review the validation status of the test method. 	
Project 2.34: Update of TG 211: correction of the response parameter for Daphnia Reproduction Test	
Lead:	Denmark, Finland, Norway and Sweden
Inclusion in work plan:	2009
Project Status and milestones:	
<ul style="list-style-type: none"> • Discussion of the update at the meeting of invertebrate testing experts on 8-9 June 2009; • The best course of action needs to be considered as a follow-up to the meeting of invertebrate testing experts on 8-9 June 2009. 	

SECTION 3
PROJECTS RELATED TO TEST GUIDELINES ON ENVIRONMENTAL FATE

Project 3.2: New Guidance for Industry Data Submissions on the Estimation of Emissions from Wood Preservatives–Treated Wood to the Environment: for wood held in storage after Treatment and for Wooden Commodities that are not covered and are not in contact with ground	
Lead:	TF Biocides
Inclusion in work plan:	2001
Project status and milestones:	<ul style="list-style-type: none"> • 2 Proposals for TGs (Version 1) circulated for review in February 2003 with a deadline for comment of 15th April 2003; • Pre-validation meeting held in September, 2004 (Berlin); pre-validation continued in 2004-2005 (5 labs in Europe); • Technical meeting on 8-9 June 2006 to address scientific issues associated with the two proposed TGs: (i) Leaching from wood non covered and not in contact with the ground and (ii) Leaching from wood not covered and in contact with the ground, fresh water or sea water; • TG (ii) adopted on 16 October 2007; • WNT 19 agreed on a revised SPSF: Proposal to convert the draft TG (i) into a draft GD; • Draft GD (i) discussed at the Task Force on Biocides meeting of 20-21 September 2007; • Final review by the Task Force on Biocides in September 2008; • WNT comments requested in October 2008; • Draft GD was approved at the WNT 21 (31 March – 2 April 2009).
Project 3.5: Development of a Revised Introduction to the OECD Guidelines for Testing of Chemicals, Section 3, Part 2: Bioaccumulation and Behavior in Soils and Sediments	
Lead:	United States
Inclusion in work plan:	2005
Project status and milestones:	<ul style="list-style-type: none"> • Proposal discussed at WNT 17; • The project will be kept on hold for a couple of years due to ongoing work at ILSI and SETAC on this issue.
Project 3.6: Bioaccumulation test in Fish: Revision TG 305, New Guidance on the Conduct of Fish Dietary Bioaccumulation Studies	
Lead:	Germany + The Netherlands + United Kingdom
Inclusion in work plan:	2008
Project status and milestones:	<ul style="list-style-type: none"> • Draft revised TG 305 with a reduced number of animals, and including dietary studies, expected to be available for circulation in 2009; • Short progress report at the WNT 21 meeting; • First draft TG expected in June 2009; • Workshop expected in autumn 2009.
Project 3.7: New TG for Bioaccumulation: Soil Test Using Terrestrial Oligochaetes	
Lead:	Germany
Inclusion in work plan:	2008
Project status and milestones:	

- Publication of ring test results and workshop proceedings in 2008;
- Ring test report and draft TG available for comments from the WNT in April 2009.

**SECTION 4:
PROJECTS RELATED TO TEST GUIDELINES ON HEALTH EFFECTS**

Project 4.1: Development of the ATC method as alternative to TG 403 for specific purposes	
Lead:	Germany
Inclusion in work plan:	2001
Project status and milestones:	
<ul style="list-style-type: none"> • Proposal (version 1) submitted to the Secretariat in September 2004; • Circulated to WNT for comments in December 2004; • Expert group meeting hosted by 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 the expert group meeting on acute inhalation toxicity, 7-9 November 2006, Washington; • Progress report presented at WNT 19. WNT agreement on submission of acute inhalation projects as a package; • Expert group meeting in the US in April 2008; • WNT comments requested in November 2008; • Draft TG and performance assessment report approved at the WNT 21 meeting (31 March – 2 April 2009). 	
Project 4.5: New TG for <i>in vitro</i> SHE Cell Transformation Assay	
Lead:	France
Inclusion in work plan:	2003
Project status and milestones:	
<ul style="list-style-type: none"> • EC Phase 1 of pre-validation finalized; • Validation completed; • Peer review expected in 2009. 	
Project 4.6: Development of a DRP on Transgenic Rodent Mutation Assays	
Lead:	Canada
Inclusion in work plan:	1996
Project status and milestones:	
<ul style="list-style-type: none"> • First version circulated to the WNT for comments in March 2005; • Canada made a compilation of comments and revised the draft accordingly; • Revised version received in May 2008; • Revised version available for comments from the WNT on 4 July 2008; • Draft DRP was approved at the WNT 21 meeting (31 March – 2 April 2009). 	
Project 4.7: New TG (487) <i>In vitro</i> Micronucleus Test	
Lead:	United Kingdom
Inclusion in work plan:	2002
Project status and milestones:	
<ul style="list-style-type: none"> • First version available for comments from the WNT on 14 June 2004; • EC undertook a retrospective validation exercise • EC retrospective validation completed; EC statement endorsing the scientific validity of the test • for genotoxicity testing published on 17 November 2006; • Revised draft TG circulated for comment on 22 December 2006; 	

<ul style="list-style-type: none"> • Draft TG discussed at WNT 19; • Expert group meeting in Atlanta, USA, in October 2007; • Revised TG available for comments from the WNT in December 2007; • Draft TG 487 provisionally approved at WNT 20; • Testing for cytotoxicity expected to be finalized by the end of March 2009; • Test Report expected to be available in August 2009; • WNT approval expected by written procedure in 2009. 	
Project 4.10: Update of TG 417 on Toxicokinetics	
Lead:	United States
Inclusion in work plan:	2000
Project status and milestones:	
<ul style="list-style-type: none"> • Expert group established in July 2005; • First draft developed by the lead country and sent to the expert group for comments in November 2006; • Comments received from the expert group by late January 2007; • Expert group meeting in Washington D.C. in June 2008; • WNT comments on the revised first draft TG requested in November 2008; • Responses to comments and second revised draft under preparation; • Second commenting round expected before summer 2009; • Draft TG expected to be submitted for WNT approval at the WNT 22 meeting, in 2010. 	
Project 4.11: Update of TG 412: Repeat Dose Inhalation Toxicity	
Lead:	Netherlands
Inclusion in work plan:	2003
Project status and milestones:	
<ul style="list-style-type: none"> • First proposal available in April 2005; circulation to WNT in December 2005; • Aspects of this project dealt with at an expert group meeting for the acute inhalation studies in November 2006; • Expert group meeting in De Bilt (Netherlands) in June 2007; • Revised draft TG available for comments from the WNT (together with the draft TG 413) in March 2008; • Comments from the WNT on the new revised draft TG requested in September 2008; • Draft TG approved at the WNT 21 meeting (31 March – 2 April 2009). 	
Project 4.12: Development of a GD on Acute Inhalation Toxicity	
Lead:	United Kingdom + Germany + United States
Inclusion in work plan:	2003
Project status and milestones:	
<ul style="list-style-type: none"> • Establishment of an expert group; • Expert group meeting late February 2006 (see the other inhalation projects); • GD covered TG 433, TG 436 and the revised TG 403; • WNT18 suggested developing two separate GDs (one on acute inhalation in general, and another one providing technical guidance on inhalation testing); • GD drafting group meeting in Berlin on 11-12 July 2006; • Comments on the latest version of the draft GD and on the outcome of the Berlin meeting requested by the Secretariat; • Expert group meeting on 7-9 November 2006 in Washington D.C.; 	

<ul style="list-style-type: none"> • Progress report presented at WNT 19; WNT 19 agreement on the submission of all acute inhalation projects as a package and that only one GD on acute inhalation toxicity should be developed; • TG 433 removed from the work plan and from draft GD; • Comments from WNT requested in November 2008; • Draft GD approved at the WNT 21 meeting (31 March – 2 April 2009). 	
Project 4.13: New TG: Transgenic Rodent <i>in vivo</i> Gene Mutation Assays	
Lead:	Canada
Inclusion in work plan:	2005
Project status and milestones:	
<ul style="list-style-type: none"> • Validation information and first draft expected to be submitted as soon as possible after approval of the DRP (see Project 4.6). 	
Project 4.14: Update of TG 403 on Acute Inhalation Toxicity	
Lead:	United States
Inclusion in work plan:	2006
Project status and milestones:	
<ul style="list-style-type: none"> • Proposal discussed at WNT 17; more detailed SPSF submitted to the Special WNT Meeting in November 2005; • Request for comments by end of January 2006; WNT agreed to provisionally include the project in the Work plan and that more information should be provided for the next WNT meeting; • Revised TG available at an expert group meeting held on 22-24 February 2006 in Berlin, Germany; • Inclusion of the project in the work plan confirmed at WNT 18; • Expert group meeting in Washington D.C. on 7-9 November 2006; • Expert group meeting, in De Bilt (Netherlands) in June 2007, discussed the CxT Protocol; • Performance assessment of the CxT Protocol completed; • Expert group meeting in the US in April 2008; • Comments requested from the WNT in November 2008; • Draft TG and performance assessment report approved at WNT 21 (31 March – 2 April 2009). 	
Project 4.18: Development of a GD to support TG 451, 452 and 453 on Chronic Toxicity and Carcinogenicity	
Lead:	Secretariat
Inclusion in work plan:	1997
Project status and milestones:	
<ul style="list-style-type: none"> • Awaiting the second ILSI document on dose selection in 2006; • Secretariat received the second ILSI document on dose selection in 2007; • WNT 19 agreement that GD Chapter on dose selection should be developed in parallel with the revisions of TGs 450, on the basis of the two ILSI documents; • Content of GD and preliminary draft on Dose Selection Chapter circulated to the WNT for comments in October 2007; • Draft revised Chapter on Dose Selection submitted to the Workshop on the revision of TG 451, 452 and 453 (Washington, February 2008); • A Consultant with a small steering group is expected to add essential information to the draft Chapter on Dose Selection by March 2009; 	

<ul style="list-style-type: none"> • Circulation of the revised part on dose selection GD in December 2008; • Draft Chapter on Dose Selection, plus additional parts of the draft GD circulated for comments in April 2009; • Expert group meeting expected on 7-8 October 2009; • Draft Chapter on Dose Selection and, if possible, on some other parts, expected to be approved by the WNT in 2009 	
Project 4.19: Update of TG 451, 452, and 453 on Chronic Toxicity and Carcinogenicity	
Lead:	Secretariat
Inclusion in work plan:	1999
Project status and milestones:	
<ul style="list-style-type: none"> • In 2006, Secretariat had funding to start the work; • Strategy for revision of the TGs agreed at WNT 19; • National positions on main issues requested by 24 July 2007; • Workshop in Washington D.C., in February 2008; • Draft updated TGs 451, 452 and 453 circulated for comments to the expert group in June 2008; • WNT Comments on first draft updated TGs requested in September 2008; • WNT comments on second draft updated TGs requested in November 2008; • Third draft updated TGs approved at the WNT 21 meeting (31 March – 2 April 2009). 	
Project 4.22: EDTA Activity: Validation of the Hershberger Assay: Juvenile Male Model	
Lead:	VMG-mam + United States (lead laboratory)
Inclusion in work plan:	2003
Project status and milestones:	
<ul style="list-style-type: none"> • Experimental work finalized late February 2007; • Draft validation report, prepared by the US, circulated to the VMG-mam for comments in July 2008; • Endorsement of the draft validation report requested from the WNT by written procedure in November 2008; • Validation report endorsed and peer review completed; • WNT 21 endorsed the validation peer review report and approved the WNT Statement that will be attached to the peer review report, at its meeting (31 March – 2 April 2009); 	
Project 4.24: EDTA Activity: Update of TG 407	
Lead:	Secretariat
Inclusion in work plan:	2007
Project status and milestones:	
<ul style="list-style-type: none"> • Draft TG circulated for comments before summer 2007, together with technical issues, raised by the peer review panel, to be addressed by the VMG-mammalian, as appropriate; • Technical issues addressed by the VMG-mam in December 2007; • Revised draft TG circulated to WNT in December 2007; • Draft TG approved at WNT 20, endorsed by Joint Meeting and EPOC, adopted by Council, and published at end of 2008; • GD on histopathology under development; • Revised GD available for comments in December 2008- January 2009; • Approval of the draft GD at the WNT 21 meeting (31 March – 2 April 2009). 	
Project 4.25: EDTA Activity: New TG for the Hershberger Assay	

Lead: Inclusion in work plan: Project status and milestones:	United States 2007
<ul style="list-style-type: none"> • Draft TG circulated for comments from WNT on 12 April 2007; • Comments on the revised draft TG requested in November 2008, when the draft validation report for the juvenile male model was available; • Draft TG amended to remove juvenile male model; • Draft TG for adult castrate model approved at the WNT 21 meeting (31 March – 2 April 2009); • WNT 21 meeting agreed to drafting of the juvenile male model as a GD. 	
Project 4.26: Cell Transformation Assay using Balb/c 3T3 cell line	
Lead: Inclusion in work plan: Project status and milestones:	Japan 2007
<ul style="list-style-type: none"> • EC pre-validation completed; • Evaluation of the EC validation study by the validation management team and decision on further plan in January 2009; • Validation completed; peer review expected in 2009. 	
Project 4.27: GD for a single dose study for the derivation of an Acute Reference dose (ARfD)	
Lead: Inclusion in work plan: Project status and milestones:	Germany 2007
<ul style="list-style-type: none"> • First draft circulated to the WNT on 21 November 2007; • Expert group established in January 2008; • Compilation of comments from WNT and a revised draft GD available to the expert group for a small drafting group meeting on 2 October 2008; • Next draft circulated to the expert group early 2009; • Draft GD circulated to the WNT and WGP for comments in February 2009; • Expert group meeting expected on 14-15 September 2009, in Geneva. 	
Project 4.28: New TG for an Extended 1 Generation Reproductive Toxicity Study	
Lead: Inclusion in work plan: Project status and milestones:	United States + Germany + Netherlands 2007
<ul style="list-style-type: none"> • Establishment of an expert group; • Lead countries meeting in October 2007; • First draft of a TG “Extended 1 Gen Reproductive Toxicity Study” circulated to the expert group for information in March 2008; • Extension of the expert group to experts specialized in neurotoxicity and immunotoxicity; • Draft TG circulated to the expert group and to the WNT for comments in June 2008; • Expert group meeting on 15-17 October 2008; • Discussion at the WNT 21 on whether DIT and DNT should be integral parts of the study or optional only; • Results of databases analysis expected to be available by September 2009; • Expert group meeting expected on 21-23 October 2009; • Draft TG expected to be submitted for WNT Approval at the WNT 22 meeting, in 2010. 	

Project 4.29: EDTA Activity: New TG/ Stably Transfected Transcriptional Activation Assay	
Lead: Inclusion in work plan: Project status and milestones:	Japan 2007
<ul style="list-style-type: none"> • Peer review report available at WNT 19; • Draft TG circulated to WNT for comments, together with technical issues to be addressed by VMG-non animal, in July 2007; • Technical issues addressed by VMG-non animal in November 2007; • Revised draft TG available for comments from the WNT in December 2007; • Provisional approval at WNT20; • Draft TG was approved at the WNT 21 meeting (31 March – 2 April 2009). 	
Project 4.30: EDTA Activity - New TG: Stably Transfected Transcriptional Activation (STTA) Assay for the Detection of Estrogen Receptors Agonists and Antagonists (LUMI-CELL® ER Assay)	
Lead: Inclusion in work plan: Project status and milestones:	United States 2008
<ul style="list-style-type: none"> • Completion of the validation study expected in February 2009; • Background Review Document available for public comments expected in Summer 2009; • Peer review panel meeting expected to be convened in fall 2009. 	
Project 4.31: EDTA Activity - New TG: Human Recombinant Estrogen Receptor Alpha Binding Assays (hrERA, 2 protocols)	
Lead: Inclusion in work plan: Project status and milestones:	United States + European Commission + Germany + Japan 2008
<ul style="list-style-type: none"> • Validation plan discussed the last meeting of the VMG-non animal (2007); • Validation is ongoing; • Data analysis and compilation expected in fall 2009; • Final validation report expected in winter 2010; • Peer review expected in spring 2010. 	
Project 4.32: EDTA Activity - New TG for the H295R Cell-Based Steroidogenesis Assay	
Lead: Inclusion in work plan: Project status and milestones:	United States 2008
<ul style="list-style-type: none"> • Pre-validation completed; validation completed in 2008; • Final validation report and peer review report expected to be available in 2009; • Draft TG expected to be sent to the VMG-non animal for comments in June 2009. 	
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"> • Validation report and draft TG expected to be available before summer 2009. 	

Project 4.34: EDTA Activity - New TG for a stably Transfected Transcriptional Activation (STTA) Assay for the detection of anti-estrogenic activity of chemicals	
Lead: Inclusion in work plan: Project status and milestones:	Japan 2008
<ul style="list-style-type: none"> • Validation study expected to be completed early 2009; • Validation report expected to be available in November 2009, and followed by a validation peer review; • Draft TG expected to be available by the end of 2009 or in 2010. 	
Project 4.35: New TG for an <i>In Vitro</i> Skin Irritation Assay	
Lead: Inclusion in work plan: Project status and milestones:	European Commission 2008
<ul style="list-style-type: none"> • Validation completed; • EC Peer review completed; • Draft TG circulated for comments to the WNT on 6 June 2008; • Expert group meeting in Berlin on 20-21 October 2008; • Expert group meeting expected in the US on 15-17 June 2009; • Draft TG expected to be submitted for WNT approval in 2009 or 2010. 	
Project 4.36: New TG: Comet Assay in Genotoxicity Testing	
Lead: Inclusion in work plan: Project status and milestones:	Japan 2008
<ul style="list-style-type: none"> • Final validation study expected in autumn 2010; • Short presentation on Progress at WNT 21; • Submission of validation results and draft TG expected early 2011. 	
Project 4.37: New TG: Bovine Corneal Opacity and Permeability Test Method: An In Vitro Method for identifying Ocular Corrosives and Severe Irritants	
Lead: Inclusion in work plan: Project status and milestones:	Unites States 2008
<ul style="list-style-type: none"> • First draft TG available for comments from WNT in August 2008; • Expert group meeting in Washington D.C. on 4-5 December 2008; • Revised draft available for comments from the WNT early 2009; • Draft TG approved at the WNT 21 meeting (31 March – 2 April 2009). 	
Project 4.38: New TG: Isolated Chicken Eye Test Method: An In Vitro Method for Identifying Ocular Corrosives and Severe Irritants	
Lead: Inclusion in work plan: Project status and milestones:	Unites States 2008
<ul style="list-style-type: none"> • First draft TG available for WNT comments in August 2008; • Expert group meeting in Washington D.C. on 4-5 December 2008; • Revised draft available for comments from the WNT early 2009; • Draft TG approved at the WNT 21 meeting (31 March – 2 April 2009). 	

Project 4.39: Update of TG 413: Subchronic Inhalation Toxicity: 90-day Study	
Lead: Inclusion in work plan: Project status and milestones	United States 2008
<ul style="list-style-type: none"> • Discussion of the first draft at an expert group meeting in De Bilt (Netherlands) in June 2007; • Revised draft TG circulated to WNT (together with draft TG 412) in March 2008; • WNT comments on the new revised draft TG requested in September 2008; • Draft TG approved at the WNT 21 meeting (31 March – 2 April 2009). 	
Project 4.40: Update of TG 429: Skin Sensitisation: Local Lymph Node Assay (USA)	
Lead: Inclusion in work plan: Project status and milestones	United States 2009
<ul style="list-style-type: none"> • This project should be considered together with Project 4.41 • First Draft TG expected to be submitted in the second quarter of 2009. 	
Project 4.41: TG for a non-radioactive version of the Local Lymph Node Assay	
Lead: Inclusion in work plan: Project status and milestones	Japan 2009
<ul style="list-style-type: none"> • This project should be considered together with Project 4.40 • First Draft TG expected to be submitted in the second quarter of 2009. 	
Project 4.42: Update of TG 430: <i>In vitro</i> Skin Corrosion: Transcutaneous Electric Resistance (TER)	
Lead: Inclusion in work plan: Project status and milestones	United States 2009
<ul style="list-style-type: none"> • First Draft TG expected to be submitted in 2009. 	
Project 4.43: Update of TG 431: <i>In vitro</i> Skin Corrosion: Human Skin Model Test	
Lead: Inclusion in work plan: Project status and milestones	United States 2009
<ul style="list-style-type: none"> • First Draft TG expected to be submitted in 2009. 	
Project 4.44: TG for the use of an <i>in vitro</i> epidermal model to assess skin irritation: LabCyte EPI-MODEL24	
Lead: Inclusion in work plan: Project status and milestones	Japan 2009
<ul style="list-style-type: none"> • This project should be considered together with Project 4.35 • Validation report expected to be submitted as soon as possible before the expert group meeting that will be held in Washington DC on 15-17 June 2009. 	
Project 4.45: GD on Derivation of an Acute Reference Concentration (ARfC)	
Lead:	United States

Inclusion in work plan: Project status and milestones	2009
<ul style="list-style-type: none"> • First draft expected in May 2009; • Expert group meeting expected in 2009. 	
Project 4.46: GD on Using Cytotoxicity Tests to estimate Starting Doses for Acute Oral Systemic Toxicity Tests	
Lead: Inclusion in work plan: Project status and milestones	United States 2009
<ul style="list-style-type: none"> • First draft TG expected in June 2009. 	

**SECTION 5:
PROJECTS RELATED TO OTHER TEST GUIDELINES**

Project 5.5: EDTA Activity: DRP on Availability of <i>In Vitro</i> receptor assays in Fish for Screening of endocrine modulating activities of Environmental Chemicals	
Lead: Inclusion in work plan: Project status and milestones:	Japan + United Kingdom + Sweden 2005
<ul style="list-style-type: none"> • Proposal discussed at the 17th WNT in 2005; • SPSF rewritten to show more clearly the scope of the document, and approved at WNT 19; • Comments on the draft DRP requested from the VMG-non animal in November 2007 and from the VMG-eco in January 2008; • Draft DRP available for comments from the WNT in April 2009; • Draft DRP expected to be submitted for WNT approval at the WNT 22 meeting, in 2010. 	
Project 5.6: New TG for efficacy test methods for public health antimicrobial biocides used on hard surfaces	
Lead: Inclusion in work plan: Project status and milestones:	Task Force on Biocides 2007
<ul style="list-style-type: none"> • Validation and peer review expected to be completed in 2009; • Submission of the draft TG for WNT approval expected in 2010. 	
Project 5.7: New GD: Efficacy Test Methods for Swimming Pools and Spa Pool Sanitizers (disinfectants)	
Lead: Inclusion in Work plan: Project status and milestones:	Australia (Task Force Biocides) 2008
<ul style="list-style-type: none"> • Discussion of the draft GD at the meeting of the Task Force on Biocides in September 2008; • Approval by the WNT expected in 2009, by written procedure. 	
Project 5.9: New TG on Field Crop Trials and revised GDs on Pesticide Residue Chemistry	
Lead: Inclusion in work plan: Project status and milestones:	United States 2008
<ul style="list-style-type: none"> • Work on this issue initiated in 2006; • Residue chemistry expert group meeting at OECD on 22-23 January 2008; • Residue Chemistry expert group (RCEG) meeting in the US on 5-7 May 2008 to discuss the first draft TG; • RCEG meeting at OECD on 30-31 October 2008; • Comments from the WNT requested on 27 November 2008; • Draft TG and two draft revised GDs approved at the WNT 21 meeting (31 March – 2 April 2009). 	

PROJECTS OF A GENERAL NATURE

Project 0.3: Updating /Maintaining TGP Web pages

Lead:	Secretariat
Inclusion in the work plan:	Continuous effort
Project status and milestones:	

- Thorough revision of Endocrine Disrupters WebPages;
- Thorough revision of TGP Web pages.

Project 0.5: Templates for new and revised TGs

Lead:	Secretariat + NCs
Inclusion in work plan:	2004
Project status and milestones:	

- Workshop held 14-16 June 2004;
- 86 templates agreed by the JM;
- Preparation of new or revised templates, if appropriate for all new or revised TGs;
- Secretariat submitted a paper explaining the process at WNT 19;
- Guidance on template preparation/revision by lead countries available in July 2008;
- The Secretariat will contact NCs as new TGs are adopted (see Annex 2).

Project 0.7: Miscellaneous Activities: Work on Toxicogenomics and molecular screening

Lead:	Secretariat + IPCS
Inclusion in work plan:	2003
Project status and milestones:	

- Advisory Group (AG) of key experts from IPCS and OECD established in December 2004;
- AG developed the plan of action to explore and evaluate regulatory application of toxicogenomics;
- Progress reported to the 38th Joint Meeting in June 2005;
- Concrete work plan submitted to the 39th Joint Meeting in February 2006;
- Report on progress to the 40th JM in November 2006;
- Meeting of the extended Advisory Group on 24 May 2007 in the United States;
- Report on progress to the 41st Joint Meeting in June 2007 and to the 42nd JM in February 2008;
- Second meeting of the extended Advisory Group in June 2008, in the Netherlands;
- Report on progress to the 43rd Joint Meeting in November 2008;
- Establishment of sub-groups on pathways and mechanisms elucidation;
- Extended Advisory Group meeting expected on 26-27 October 2009.

Project 0.8: EDTA Activity: Information Exchange on (Q)SAR Methods for ED Assessment

Lead:	United States
Inclusion in work plan:	2003
Project status and milestones:	

- Task Group established in November 2004, lead by EC/JRC/ECB;
- 1st meeting in June 2005;
- Report to VMG-non animal in December 2006; discussion of the role of the group;
- Reorganisation of the work agreed at WNT 19;
- New group led by US EPA; meeting prior to the VMG-non animal and progress report to VMG-non animal in November 2007;
- Workshop on 17 February 2009 (with the QSAR Application Toolbox Management Group);
- Continuous activity.

ANNEX 1
PROJECTS THAT WILL BE REMOVED AFTER TWO YEARS IF NOT SUPPORTED

Project 4.2: New TG 433: Fixed Dose Procedure as Alternative to TG 403	
Lead:	United Kingdom
Inclusion in work plan:	2001
Inclusion in Annex 1:	2007 – WNT agreed that this project should stay in Annex 1 until 2011
Project status and milestones:	WNT meeting
<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 finalized; • Lead country decided to withdraw this project. 	
Project 0.1: Inventory of Data Requirements for Chemicals other than Pesticides	
Lead:	Secretariat
Inclusion in work plan:	2001
Inclusion in Annex 1:	2008
Project status and milestones:	
<ul style="list-style-type: none"> • Update the inventory and request for input from the WNT and Task Forces on New and Existing Chemicals by 24 November 2006; • Submission of the revised inventory at WNT19 to support the discussion on the revision of existing TGs. 	

ANNEX 2
ADOPTED TEST GUIDELINES DEVELOPED BY THE TGP, FOR WHICH AN
EXISTING TEMPLATE NEEDS TO BE REVISED OR A NEW TEMPLATE SHOULD
BE DEVELOPED

Project 2.6: New TG for the Determination of the Inhibition of the Activity of Anaerobic Bacteria - Reduction of Gas Production from Anaerobic Sewage Sludge	
Lead: Inclusion in work plan: Project status and milestones:	United Kingdom 2004
<ul style="list-style-type: none"> • TG adopted in January 2007. Comments provided by UK on the existing template on toxicity to microorganisms. 	
Project 2.21: New TG 225 on Sediment-Water Lumbriculus Toxicity Test Using Spiked Sediment	
Lead: Inclusion in Work plan: Project Status and milestones:	Germany 2006
<ul style="list-style-type: none"> • TG adopted by Council on 16 October 2007; • Template under development. 	
Project 4.9: New TG 440: Uterotrophic Bioassay	
Lead: Inclusion in work plan: Project status and milestones:	Japan and Secretariat 1996
<ul style="list-style-type: none"> • TG adopted by Council on 16 October 2007; • Need for a new/update template should be considered. 	
Project 4.17: New TG 426: Developmental Neurotoxicity Testing	
Lead: Inclusion in Work plan: Project status and milestones:	Secretariat 1996
<ul style="list-style-type: none"> • TG 426 adopted by Council on 16 October 2007; • Need for a new/updated template should be considered. 	
Project 2.22: New TG on Hypoaspis Aculeifer Reproduction Test	
Lead: Inclusion in work plan: Project Status and milestones:	The Netherlands 2006
<ul style="list-style-type: none"> • TG 226 adopted by Council on 3 October 2008; • Need for a new/updated template should be considered. 	
Project 2.8: EDTA Activity: Enhanced TG 211: <i>Daphnia Magna</i> Reproduction Test	
Lead: Inclusion in work plan: Project status and milestones:	Japan 2004
<ul style="list-style-type: none"> • Revised TG 211 adopted by Council on 3 October 2008; • Need for a new/updated template should be considered. 	

Project 2.20: New TG on Determination of Developmental Toxicity of a Test Chemical to Dipteran Dung Flies	
Lead: Inclusion in work plan: Project status and milestones:	European Commission 2006
<ul style="list-style-type: none"> • TG 228 adopted by Council on 3 October 2008; • Need for a new/updated template should be considered. 	
Project 3.1: New TG for Accumulation in Sediment Worms	
Lead: Inclusion in work plan: Project status and milestones:	Germany 1999
<ul style="list-style-type: none"> • TG 315 adopted by Council on 3 October 2008; • Need for a new/updated template should be considered. 	
Project 3.3: New TG on Phototransformation in Water (direct effects only)	
Lead: Inclusion in work plan: Project status and milestones:	Secretariat 1998
<ul style="list-style-type: none"> • TG 316 adopted by Council on 3 October 2008; • Need for a new/updated template should be considered. 	
Project 3.4: New TG: Simulation Test to Assess Primary and Ultimate Biodegradability of Chemicals Discharged to Wastewater: Biodegradation in Wastewater, Activated Sludge, Anaerobic Digester Sludge, Mixing Zone for Treated Effluent and Surface Water and Mixing Zone for Untreated Wastewater and Surface Water	
Lead: Inclusion in work plan: Project status and milestones:	United States 2005
<ul style="list-style-type: none"> • TG 314 adopted by Council on 3 October 2008; • Need for a new/updated template should be considered. 	
Project 4.24: EDTA Activity: Update of TG 407	
Lead: Inclusion in work plan: Project status and milestones:	Secretariat 2007
<ul style="list-style-type: none"> • Updated TG 407 adopted by Council on 3 October 2008; • Need for a new/updated template should be considered. 	
Project 2.18: EDTA Activity: Development and Validation of a new TG: 21-Day Fish Screening Test	
Lead: Inclusion in work plan: Project status and milestones:	Secretariat + Japan 1998
<ul style="list-style-type: none"> • Two Draft TGs 229 and 230 approved at WNT 21 in April 2009; • Need for a new/updated template(s) should be considered. 	

Project 2.19: EDTA Activity: Development and Validation of Methods in Amphibians	
Lead: Inclusion in work plan: Project status and milestones:	United States + Germany + Japan 2000
<ul style="list-style-type: none"> • Draft TG 231 approved at WNT 21 in April 2009; • Need for a new/updated template should be considered. 	
Project 2.9: New TG: Collembola Reproduction Test	
Lead: Inclusion in work plan: Project status and milestones:	Denmark 2005
<ul style="list-style-type: none"> • Draft TG 232 approved at WNT 21 in April 2009; • Need for a new/updated template should be considered. 	
Project 4.25: EDTA Activity: New TG for the Hershberger Assay	
Lead: Inclusion in work plan: Project status and milestones:	United States 2007
<ul style="list-style-type: none"> • Draft TG 441 approved at WNT 21 in April 2009; • Need for a new/updated template should be considered. 	
Project 4.29: EDTA Activity: New TG/ Stably Transfected Transcriptional Activation Assay	
Lead: Inclusion in work plan: Project status and milestones:	Japan 2007
<ul style="list-style-type: none"> • Draft TG 455 approved at WNT 21 in April 2009; • Need for a new/updated template should be considered. 	
Project 4.1: Development of the ATC method as alternative to TG 403 for specific purposes	
Lead: Inclusion in work plan: Project status and milestones:	Germany 2001
<ul style="list-style-type: none"> • Draft TG 436 approved at WNT 21 in April 2009; • Need for a new/updated template should be considered. 	
Project 4.37: New TG: Bovine Corneal Opacity and Permeability Test Method: An In Vitro Method for identifying Ocular Corrosives and Severe Irritants	
Lead: Inclusion in work plan: Project status and milestones:	Unites States 2008
<ul style="list-style-type: none"> • Draft TG 437 approved at WNT 21 in April 2009; • Need for a new/updated template should be considered. 	
Project 4.38: New TG: Isolated Chicken Eye Test Method: An In Vitro Method for Identifying Ocular Corrosives and Severe Irritants	
Lead: Inclusion in work plan: Project status and milestones:	Unites States 2008

- Draft TG 438 approved at WNT 21 in April 2009;
- Need for a new/updated template should be considered.

Project 4.14: Update of TG 403 on Acute Inhalation Toxicity

Lead:	United States
Inclusion in work plan:	2006
Project status and milestones:	

- Draft updated TG 403 approved at WNT 21 in April 2009;
- Need for a new/updated template should be considered.

Project 4.11: Update of TG 412: Repeat Dose Inhalation Toxicity

Lead:	Netherlands
Inclusion in work plan:	2003
Project status and milestones:	

- Draft updated TG 412 approved at WNT 21 in April 2009;
- Need for an updated template should be considered.

Project 4.39: Update of TG 413: Subchronic Inhalation Toxicity: 90-day Study

Lead:	United States
Inclusion in work plan:	2008
Project status and milestones:	

- Draft updated TG 413 approved at WNT 21 in April 2009;
- Need for an updated template should be considered.

Project 4.19: Update of TG 451, 452, and 453 on Chronic Toxicity and Carcinogenicity

Lead:	Secretariat
Inclusion in work plan:	1999
Project status and milestones:	

- Three draft updated TG 451, 452 and 453 approved at WNT 21 in April 2009;
- Need for updated templates should be considered.

