



Approved Working Programme and Membership of ISTA Committees 2007-2010



Scope of the document

The document 2007-24-ECOM-TCOM Approved Working Programme and Membership 2007–2010' provides an overview of the working areas and projects of the work of the ISTA TCOMs for 2007-2010.

Structure of the document

In the majority of cases, the Committees' working programmes are divided as follows:

A Rules development

- A.1 Introduction of new methods
- A.2 Introduction of new species
- A.3 Introduction of Rules changes

B Publications

- B.1 Publications to accompany the Rules
- B.2 Training publications on specific seed-testing topics
- B.3 Scientific information publications

C Workshops and seminars

- C.1 Education and training workshops
- C.2 Seminars

D Proficiency tests

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1. ATC Advanced Technology Committee

Chair:	1	Johan van Asbrouck	(Thailand)
Vice-chair:	2	Bert van Duijn	(Netherlands)
Members:	3	Brigitte Hamman	(Switzerland)
	4	Joost van der Burg	(Netherlands)
	5	Harry Nijenstein	(Netherlands)
	6	Zhujun Zhu	(China)
	7	Rukui Huang	(China)
	8	Kent J. Bradford	(USA)
	9	Pascale Jansen	(Belgium)
	10	SVR Rao	(India)

E Special Projects

	COM	Project name/subject	Proposed finalisation	Collaboration
1	ATC	<ul style="list-style-type: none">• Internal guidelines and rules (Joost van der Burg)<ul style="list-style-type: none">○ First draft version available before the congress 2008○ Discussion of draft during congress 2008○ Final draft available before the congress 2009○ Discussion of final draft during congress 2009○ Final document before the congress 2010○ Discussion & voting (?) during congress 2010	2010	
2	ATC	<ul style="list-style-type: none">• New Advanced Technologies List (Harry Nijenstein)<ul style="list-style-type: none">○ Layout, operational structure and database setup ready before congress 2008○ A number of new technologies will be inserted onto list○ First list (version 2008) will be published before congress 2008○ A number of new technologies will be inserted onto list , evaluations will be added○ A second publication will be made (version 2009) before congress 2009○ A number of new technologies will be inserted onto list , evaluations will be added○ The third publication will be made (version 2010) before congress 2010	2010	



	COM	Project name/subject	Proposed finalisation	Collaboration
3	ATC	<ul style="list-style-type: none">• Testing chosen technologies (Johan Van Asbrouck)<ul style="list-style-type: none">○ Setup of structure, system and lay out will be done before congress 2008○ A choice of minimum 2 technologies will be made during congress 2008○ A first pre evaluation will be made during congress 2009○ A choice of additional technologies to be tested will be made during congress 2009○ Final evaluation of the chosen (2008) technologies before congress 2010○ A pre evaluation (2009) will be made during congress 2010○ A choice of additional technologies to be tested will be made during congress 2010	2010	



2. BSC Bulking and Sampling Committee

Chair:	1	Leena Pietilä	Finland
Vice-chair:	2	Max Soepboer	Netherlands
Members:	3	Helena Blomqvist-Ljung	Sweden
	4	Laura Carlson	USA
	5	Didier Demilly	France
	6	Eddie Goldschagg	South Africa
	7	Gerry Hall	United Kingdom
	8	Tine Vilbrad Jørgensen	Denmark
	9	Michael Kruse	Germany
	10	Alfred Odindo	Kenya
	11	Dot Vittrup Pedersen	Denmark
	12	Mable M. Simwanza	Zambia

A Rules development

A.1 Introduction of new methods

	TCOM	Method name/Subject	Proposed finalisation	Collaboration
1	BSC	Sampling of containers with new types of triers	2009	RUL, STA

A.3 Introduction of Rules changes

	TCOM	Subject	Proposed finalisation	Collaboration
1	BSC	Increase of maximum seed lot sizes for Sorghum and pulses	2008	RUL
2	BSC	Updating of procedures related to automatic seed samplers	2010	RUL

B Publications

B.1 Publications to accompany Rules

	COM	Publication title	Proposed finalisation	Collaboration
1	BSC	Updating of ISTA Handbook on Seed Sampling	2009	STA
2	BSC	Contribution to the 'ISTA Handbook for Sampling and testing of seed mixtures'		GER, PUR

C Workshops and seminars

C.1 Training and education workshops

	COM	Workshop subject	Proposed date	Region
1	BSC	Seed sampling	2010	-

E Special projects

	COM	Project name/subject	Proposed finalisation	Collaboration
1	BSC	Experiment on Herbage Seed Lot Size	Ongoing	-



3. FSC Flower Seed Committee

Chair:	1	Zita Ripka	Hungary
Vice-chair:	2	Rita Zecchinelli	Italy
Members:	3	Aswatharayana	India
	4	Sharon K. Davidson	United States
	5	Sylvie Ducournau	France
	6	Kumiko Jinno	Japan
	7	Miriam Dekalo Keren	Israel
	8	Frikkie A. Marais	South Africa
	9	Aleta Meyr	United States
	10	Petra Remeeus	Netherlands
	11	David Tay	United States
	12	Milka Vujakovich	Serbia
	13	Wen-shi Wu	Taiwan

A Rules development

A.1 Introduction of new methods

	TCOM	Method name/subject	Proposed finalisation	Collaboration
1	FSC	Seedling evaluation of <i>Salvia</i> spp.	2009	GER

A.2 Introduction of new species

	TCOM	Species	Subject	Proposed finalisation	Collaboration
1	FSC	<i>Felicia</i> sp.	Purity, PSD, GERmination	2010	PUR, GER, BSC

B Publications

B.1 Publications to accompany Rules

	COM	Publication title	Proposed finalisation	Collaboration
1	FSC	ISTA Handbook on Flower Seed Testing (Binder and 20 work sheets)	2007	PUR, GER, TEZ
2	FSC	Work sheets of <i>Begonia</i> , <i>Consolida</i> , <i>Delphinium</i> , <i>Limonium</i> , <i>Matthiola</i> , <i>Pelargonium</i> , <i>Primula</i>	2008	PUR, GER, TEZ
3	FSC	Work sheets of <i>Alcea</i> , <i>Althaea</i> , <i>Arabis</i> , <i>Campanula</i> , <i>Cheiranthus</i> , <i>Dimorphoteca</i> , <i>Iberis</i> , <i>Lobularia</i>	2009	PUR, GER, TEZ
4	FSC	Work sheets of <i>Amaranthus</i> , <i>Aquilegia</i> , <i>Ipomoea</i> , <i>Lobelia</i> , <i>Papaver</i> , <i>Chrysanthemum</i> , <i>Tanacetum</i>	2010	PUR, GER, TEZ

B.2 Training publications on specific seed testing topics

	COM	Publication title	Proposed finalisation	Collaboration
1	FSC	ISTA Flower Seed Testing workshop progress (2007. Italy)	2007	PUR, GER, TEZ

C Workshops and seminars

C.1 Training and education workshops

	COM	Workshop subject	Proposed Date	Region
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1	FSC	Purity of flower species	October, 2009	Asia/Taiwan
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D Proficiency tests

	Proficiency Test Subject	Proposed date	Collaboration
1	<i>Portulaca grandiflora</i> Purity, Other seed determination, Germination	June, 2008	PT; PUR



4. FTS Forest Tree and Shrub Seed Committee

Chair:	1	Zdenka Prochazkova	Czech Republic
Vice-chair:	2	Fabio Gorian	Italy
Members:	3	Dave Kolotelo	Canada
	4	Kari Fiedler	United States
	5	Elena Foffová	Slovakia
	6	Peter Gosling	United Kingdom
	7	Isolde D. Kossmann Ferraz	Brazil
	8	Robert P. Karrfalt	United States
	9	Stefanie Krämer	Germany
	10	Antonio Medeiros	Brazil
	11	Beti Piotto	Italy
	12	Hugh Pritchard	United Kingdom
	13	Heidi Røsok Bye	Norway
	14	Moctar Sacande	United Kingdom
	15	Dale Simpson	Canada
	16	Victor Vankus	United States

A Rules development

A.1 Introduction of new methods

	TCOM	Method name/Subject	Proposed finalisation	Collaboration
1	FTS	Comparative tests of <i>Abies</i> germination	2010	GER
2	FTS	Comparative tetrazolium tests of <i>Abies</i>	2010	TZ

A.2 Introduction of new species

	COM	Species	Subject	Proposed finalisation	Collaboration
1	FTS	Tropical tree seed	Germination	2010	GER

The objective is to bring a short list of the potentially most commercially-important species to the rules. This will be achieved by reviewing the partner laboratory questionnaires on species of interest and reviewing emerging experimental data, including from the published literature. On the basis of this pooled information, 10 species will be brought to the rules through either 'comparative testing' or data and methods analysis followed by recommendation of acceptance of approach.

B Publications

B.1 Publications to accompany Rules

	COM	Publication title	Proposed finalisation	Collaboration
1	FTS	ISTA Tree and Shrub Seed Handbook - revision	2010	

C Workshops and seminars

C.1 Training and education workshops

	COM	Workshop subject	Proposed Date	Region
1	FTS	Temperate Tree and Shrub Seed Workshop in cooperation with the MOI + TEZ	June 2008	Europe/Italy
2	FTS	Tropical Tree and Shrub Seed Workshop	April 2009	South America / Brazil / Paraná State / Curitiba



C.2 Seminars

	COM	Seminar subject	Proposed Date	Region
1	FTS	ISTA-supported conference (with IUFRO, BGCI and the ITF) on 'Trees, seeds and a changing climate' (, University of Sussex, UK), organised by Prof Hugh W. Pritchard and Dr Matthew Daws (RBG Kew, Wakehurst Place).	September 2008	Europe/UK

D Proficiency tests

	Proficiency Test Subject	Proposed date	Collaboration
1	Tree and Shrub Seed Germination – 1 st round with 1 species	2010	PT



5. GER Germination Committee

Chair:	Ronald Don	United Kingdom
Vice Chair:	Sylvie Ducournau	France
Members:	Kari Fiedler	USA
	Krystyna Kolasinska	Poland
	Joël Léchappé	France
	Lea Mazor	Israel
	Günter Müller	Germany
	Enrico Noli	Italy
	Takayuki Okuda	Japan
	Zdenka Procházková	Czech Republic
	Hakon Tangeras	Norway
	Grethe Tarp	Denmark
	Anny van Pijlen	Netherlands
	Gillian McLaren	United Kingdom
	Ignacio Aranciaga	Argentina

A Rules development

A.1 Introduction of New Methods

	TCOM	Method name/Subject	Proposed finalisation	Collaboration
1	Ger	Validation of Organic Growing Media for Vicia faba germination		
2	Ger	Validation of Crepe paper/sand as a germination media		
3	Ger	Development of Germination test for seed mixtures		BSC, Pur
4	Ger	Alternative germination temperatures for Artichoke.		
5	Ger	Use of BP germination method for Brassica germination.		
6	Ger	Shorten time to final count of grass seed germination.		

A.2 Introduction of New Species

	COM	Species	Subject	Proposed finalisation	Collaboration
1	Ger	Cleome gynandra	Germination test		
2	Ger	Solannum nigrum	Germination test		
3	Ger	Physalis peruviana	Germination test		
4	Ger	Passiflora edulis	Germination test		
5	Ger	Carica papaya	Germination test		
6	Ger	Bulpleurum rotundifolium	Germination test		
7	Ger	Zantedeschia spp.	Germination test		
8	Ger	South American fodder species	Germination test		
9	Ger	Eruca vesicaria	Germination test		

B Publications

B.1 Publications to accompany Rules

	COM	Publication title	Proposed finalisation	Collaboration
1	Ger	Seedling Evaluation handbook; Improvement of guidance on the evaluation of cotyledons	yyyy	COM
2	Ger	Seedling Evaluation handbook;	yyyy	COM



		Improvement of forest tree and shrub entries		
3	Ger			

B.3 Scientific information publications

	COM	Publication title	Proposed finalisation	Collaboration
1	Ger	Use of GA ₃ for Dormancy breaking in Erica sativa		
2	Ger	Wild Flower Seed Germination		

C Workshops and seminars

C.1 Training and education workshops

	COM	Workshop subject	Proposed Date	Region
1	Ger	Germination Workshop		France
2	Ger	Germination Workshop		Argentina
3	Ger	Germination Workshop	2008	Taiwan
4	Ger	Germination Workshop	2008	Kenia

D Proficiency tests

	Proficiency Test Subject	Proposed date	Collaboration
1	See Proficiency Test Committee	2007-2010	Proficiency Test Committee

E Special projects

	COM	Project name/subject	Proposed finalisation	Collaboration
1				
2				



6. MOI Seed Moisture Committee

Chair:	1	Harry Nijenstein	Netherlands
Vice-chair:	2	Jette Nydam	Denmark
Members:	3	Joseph Ahenda	Kenya
	4	Olfat H. El Baqoury	Egypt
	5	Mark A. Bennett	United States
	7	Matt Daws	United Kingdom
	6	Gerarda de Boer-Raatgever	Netherlands
	8	Ronald Don	United Kingdom
	9	Robert Karrfalt	United States
	10	Maria-Rosaria Mannino	France
	11	Craig McGill	New Zealand
	12	Sergio Pasquini	Italy
	13	Maria Angela Tillman	Brazil

A Rules development

A.2 Introduction of new species

	COM	Species	Subject	Proposed finalisation	Collaboration
1	MOI	<i>Solanum nigrum</i> <i>Passiflora edulis</i> <i>Cleome hassleriana</i> <i>Carica papaya</i>	Validation of these species, according to the new Chapter 9 of the ISTA Rules.	2010	--

A.3 Introduction of Rules changes

	TCOM	Subject	Proposed finalisation	Collaboration
1	MOI	Find better wording for 'start moisture test as soon as possible after sampling'.	2008	BSC
2	MOI	Check effect of particle size on moisture test results.	2008	STAT
3	MOI	Check effect of grinders on Particle size distribution Loss of moisture during grinding.	2009	STAT
4	MOI	Check need for grinding of <i>Gleditsia triacanthos</i> , <i>Albizia julibrissin</i> <i>Medicago sativa</i> <i>Lotus pendiculatus</i> <i>Lotus corniculatus</i> <i>Trifolium pratense</i> <i>Trifolium repens</i> <i>Vigna radiata</i>	2010	STAT
5	MOI	Introduce missing tolerances or improve existing tolerances for: Oven-oven for comparison of the same sample in one lab. Oven-oven for different samples in the same/different labs. Meter-meter for different samples in the same/different labs. Oven-meter for different samples in the same/different labs.	2010?	STAT



B Publications

B.1 Publications to accompany Rules

	COM	Publication title	Proposed finalisation	Collaboration
1	MOI	Handbook: The second draft was discussed in Brazil in 2007. Has to be finalized by January 1 st , 2008.	2008	--

B.3 Scientific information publications

	COM	Publication title	Proposed finalisation	Collaboration
1	MOI	Comparison of oven moisture tests at 103°C and 130°C (STI)	2007	
2	MOI	Tolerances in moisture testing (STI)	2008	STAT
3	MOI	Grinding in moisture testing (STI)	2008	
4	MOI	Comparative testing (3 papers for SST: time study, oil content, other factors)	2008	STAT

C Workshops and seminars

C.1 Training and education workshops

	COM	Workshop subject	Proposed Date	Region
1	MOI, PUR, GER	Moisture, purity and germination.	2007, October	France
2	MOI, FTS, TEZ	Moisture, Forest tree and shrub, Tetrazolium	2008, June	Italy
3	MOI, GER, VIG?	Moisture, Germination, Vigour?	2008, July?	Kenya
4	MOI, TEZ, GER	Moisture, Tetrazolium, Germination	2009	Australia
5	MOI, FTS	Moisture, Forest Tree & Shrub	2009, March/April	Brazil

D Proficiency tests

	Proficiency Test Subject	Proposed date	Collaboration
1	Moisture to be included in round 07-2 <i>Medicago</i> (no grinding).	2007-02	Proficiency
2	Moisture to be included in round 08-1 <i>Lolium</i> (no grinding)	2008-02	Proficiency
3	Moisture to be included in round 09-2 <i>Linum usitatissimum</i> (no grinding)	2009-02?	Proficiency
4	Moisture to be included in round 10-1 <i>Vicia faba</i> (grinding)	2010-02	Proficiency

E Special projects

	COM	Project name/subject	Proposed finalisation	Collaboration
1	-	Cooperation with other organizations (ISO, ?)	2010	ISTA Secretariat



7. NOM Nomenclature Committee

Chair:	1	John H. Wiersema	United States
Vice-chair:	2	Michel Porcher	Australia
Members:	3	Bernard R. Baum	Canada
	4	Michel Chauvet	France
	5	Sandy Dawson	United States
	6	Niall Green	United Kingdom
	7	Doris Groth	Brazil
	8	Karl Hammer	Germany
	9	Wilbert L. A. Hetterscheid	Netherlands
	10	Phyllis Himmel	United States
	11	Charles E. Jarvis	United Kingdom
	12	Maria Rosaria Mannino	France
	13	Klaus Pistrick	Germany
	14	Kees van Ettehoven	Netherlands
	15	Axel Diederichsen	Canada



Nomenclature Committee Working Programme

The approval of the proposals to amend the 4th edition of the *ISTA List of Stabilized Plant Names* at the 27th ISTA Congress in Iguassu Falls, Brazil, sets the stage for the preparation of a new 5th edition. Both an on-line and a hardcopy edition will be prepared, with an anticipated completion of these in late 2007. The on-line document, which currently exists on GRIN, could be hosted on the ISTA server if this was considered appropriate. In response to a suggestion from the ISTA membership, the current document links to full GRIN taxonomy pages will be replaced with links to a special window displaying only a subset of the GRIN content. At a minimum this would include the valid name, family name, and current synonyms, with further linkage to available seed/fruit images, to multilingual common names, and to the full GRIN content pages. Several thousand seed/fruit images can be made available from GRIN for this purpose, and other sources for images could be found as well.

Committee work will also continue on the Multilingual Glossary of Common Plant-Names. The coverage will include all species treated in the ISTA Rules. Common names for cultivated plants and weeds from official country lists will be added when available, and reviews of the compiled names for various countries will be sought. We are hoping to establish some collaboration with the newly formed International Association for Cultivated Plant Taxonomy (IACPT), which has expressed interest in the project, and perhaps also with UPOV, to assist us in moving forward on data accumulation and review for various countries.

B Publications

B.3 Scientific information publications

	COM	Publication title	Proposed finalisation	Collaboration
1	NOM	ISTA List of Stabilized Plant Names, ed. 5	2007	
2	NOM	A Multilingual Glossary of Common Plant Names	2010	FTS, IACPT?

E Special projects

	COM	Project name/subject	Proposed finalisation	Collaboration
1	NOM	On-line seed/fruit images	2010	
2	NOM	Create special content on-line ISTA taxonomy window	2008	



8. PUR Purity Committee

Chair:	1	Maria Rosaria Mannino	France
Vice-chair:	2	Jana Taylor	United Kingdom
Members:	3	S.C. Aswatha Narayana	India
	4	Gerarda de Boer	Netherlands
	5	Fabio Ferrari	Italy
	6	Augusto Martinelli	Argentina
	7	Monica Moreno	Argentina
	8	Deborah Meyer	United States
	9	Andreas Ratzenboeck	Austria
	10	Zita Ripka	Hungary

A Rules development

A.1 Introduction of new methods

	TCOM	Method name/Subject	Proposed finalisation	Collaboration
1	PUR	Blowing: compare AOSA and ISTA procedures and evaluate the interest of AOSA method	2009	

A.2 Introduction of new species

	COM	Species	Subject	Proposed finalisation	Collaboration
1	PUR	<i>Solanum nigrum</i>	Find adapted PSD	2008	GER MOI
2	PUR	<i>Cleome gynandra</i>	Find adapted PSD	2009-2010	GER MOI
3	PUR	<i>Bupleurum rotundifolium</i>	Find adapted PSD	2009	GER MOI
4	PUR	<i>Passiflora edulis</i>	Find adapted PSD	2009	GER MOI
5	PUR	<i>Carica papaya</i>	Find adapted PSD	2009	GER MOI

A.3 Introduction of Rules changes

	TCOM	Subject	Proposed finalisation	Collaboration
1	PUR	PSD for <i>Spinacia</i>	2007	
2	PUR	Clarification concerning weight precision for OSD	2007	
3	PUR	Amalgamation of Chapter 11	2008	
4	PUR	Improvement of PSD 36 for <i>Panicum</i>	2008	GER
5	PUR	Reporting results of the purity analysis for particular impurities	2008	
6	PUR	Purity method for mixtures	2008	
7	PUR	Purity of coated seeds	2009	
9	PUR	Improvement of PSDs	2009-2010	

B Publications

B.1 Publications to accompany Rules

	COM	Publication title	Proposed finalisation	Collaboration
1	PUR	Finish PSD Handbook	2007	
2	PUR	"Blower calibration" (current procedure)	2007	
3	PUR	"Splitting calibration samples"	2007	
4	PUR	"Checking calibration samples"	2008	
	PUR	"Detection of <i>Orobancha</i> spp. Seeds"	2008	
5	PUR	"Blower calibration" (following the new procedure)	2010	
6	PUR	Handbook on Purity	2010	



B.2 Training publications on specific seed testing topics

	COM	Publication title	Proposed finalisation	Collaboration
1	PUR	Identification of species of the Universal List	2010	
2	PUR	Handbook on tropical species : seed identification and seed technology	2010	

C Workshops and seminars

C.1 Training and education workshops

	COM	Workshop subject	Proposed Date	Region
1	PUR GER MOI	Purity analysis	October 2007	France
2	PUR GER TZ	Tropical species	July 2008	Argentina
3	PUR	Purity analysis and training on seed identification	2009	
4	PUR	Purity analysis and training on seed identification	2010	

E Special projects

	COM	Project name/subject	Proposed finalisation	Collaboration
1	PUR	Universal List of Species: common list and complementary lists; addition of new species	2007-2010	
2	PUR	Instruction for the use of the Universal List of Species	2008	
3	PUR	List of seed specialists, publications, botanical gardens	2010	



9. SHC Seed Health Committee

Chair:	1	Theresa Aveling	South Africa
Vice-chair:	2	Valerie Cockerell	Scotland
	3	Petra Remeeus	Netherlands
Members:	4	Valerie Grimault	France
	5	Reyes Blanco Prieto	Spain
	6	Stéphan C. Brière	Canada
	7	Ronit Kohen	Israel
	8	Harrie Koenraad	Netherlands
	9	Rouke Bakker	New Zealand
	10	Masatoshi Sato	Japan
	11	Siham Asaad	Syria
	12	Sandra Walker	USA
	13	Karin Sperlingsson	Sweden
	14	Krystyna Tylkowska	Poland
	15	Rick Mumford	United Kingdom

A Rules development

A.1 Introduction of new methods

	TCOM	Method name/Subject	Proposed finalisation	Collaboration
1	SHC	<i>Xanthomonas hortorum</i> pv. <i>carotae</i> / <i>Daucus carota</i> - PCR	2009	
2	SHC	<i>Fusarium</i> spp./ <i>Zea mays</i>	2010	
3	SHC	Tobamo viruses/pepper and <i>Lycopersicon esculentum</i> - bioassay	2010	

A.3 Introduction of rules changes

	TCOM	Subject	Proposed finalisation	Collaboration
1	SHC	Review of Methods in Chapter 7 (due 2007, 2009, 2010)	2007,09,10	RUL

B Publications

B.1 Publications to accompany Rules

	COM	Publication title	Proposed finalisation	Collaboration
1	SHC	ISTA SEED HEALTH TESTING HANDBOOK	2008	

B.2 Training publications on specific seed testing topics

	COM	Publication title	Proposed finalisation	Collaboration
1	SHC	Seed Health Testing Training Workshop Manual	2010	

C Workshops and Seminars

C.1 Training and education workshops

	COM	Workshop subject	Proposed Date	Region
2	SHC	ISTA Seed Health Testing Workshop	7-11 April 2008	Pretoria/South Africa
3	SHC/STA	ISTA Statistics Workshop	September 2008	Edinburgh



C.2 Seminars

	COM	Seminar subject	Proposed Date	Region
1	SHC	6th ISTA Seed Health Symposium	14-17 April 2008	Kruger Park/South Africa

D Proficiency Tests

	Proficiency Test Subject	Proposed date	Collaboration
1	Method 7-003 <i>Botrytis cinerea</i> / <i>Helianthus annuus</i>	2007	PTC/ISTA Acred
2	Method 7-013 <i>Ustilago nuda</i> / <i>Hordeum vulgare</i>	2008	PTC/ISTA Acred
3	Bacterial test to be confirmed	2008	PTC/ISTA Acred
4	To be confirmed	2008	PTC/ISTA Acred
5	To be confirmed	2009	PTC/ISTA Acred
6	To be confirmed	2009	PTC/ISTA Acred
7	To be confirmed	2010	PTC/ISTA Acred

E Special Projects

	COM	Project name/subject	Proposed finalisation	Collaboration
1	SHC	Comparative Test: <i>Aphelenchoides besseyi</i> / <i>Oryza sativa</i>	2008	
2	SHC	Comparative Test: <i>Pyrenophora</i> spp./ <i>Hordeum vulgare</i>	2008	
3	SHC	Comparative Test: SqMV/ <i>Cucumis melo</i>	2008	
4	SHC	Comparative Test: <i>Scerotinia sclerotiorum</i> / <i>Phaseolus vulgaris</i>	2008	
5	SHC	Comparative Test: Alternative to 2,4D in Method 7-004	2008	
6	SHC	Comparative Test: Addition of <i>Aschochyta pinodes</i> and <i>Phoma medicaginis</i> var. <i>pinodella</i> (<i>Phoma pinodella</i>) to Method 7-005. Also alternative method using incubation under NUV.	2009	
7	SHC	Comparative Test: Alignment of Method 7-007 with Methods 7-017 and 7-018	2009	
8	SHC	Comparative Test: Detection and discrimination of <i>Tilletia caries</i> and <i>Tilletia controversa</i> on <i>Triticum aestivum</i>	2008	Berta Killerman



10. STA Statistics Committee

Chair:	1	Jean-Louis Laffont	France
Vice-chair:	2	Kirk Remund	United States
Members:	3	Julianna Bányai	Hungary
	4	Julia Barabas	Hungary
	5	Olfat H. El Bagoury	Egypt
	6	Sylvain Grégoire	France
	7	Winfried Jackisch	Germany
	8	Zivan Karaman	France
	9	Michael Kruse	Germany
	10	Petra Remeus	Netherlands

A Rules development

A.1 Introduction of new methods

	TCOM	Method name/Subject	Proposed finalisation	Collaboration
1	STA	Help available upon request from other committees on test planning and statistical analyses	On-going	Any committee

A.3 Introduction of Rules changes

	TCOM	Subject	Proposed finalisation	Collaboration
1	STA	Help available upon request from other committees	On-going	Any committee

B Publications

B.1 Publications to accompany Rules

	COM	Publication title	Proposed finalisation	Collaboration
1	STA	Upon request from any Technical Committee, update or development of new tolerance tables	On-going	Any committee
2	STA	Statistical review of reports before rule introduction	On-going	Any committee

B.2 Training publications on specific seed testing topics

	COM	Publication title	Proposed finalisation	Collaboration
1	STA	Guidelines on the utilization and the elaboration of tolerance tables	2010	All committees
2	STA	Stack assessment in GMO testing	2008	GMO TF
3	STA	Printouts and CD of the workshops on Statistical Aspects of GMO Detection	On-going	GMO TF, VAR
4	STA	Printouts and CD of the 8 th Seminar on Statistics in Seed Testing	2008	

B.3 Scientific information publications

	COM	Publication title	Proposed finalisation	Collaboration
1	STA	Stack assessment in GMO testing	2009	Pioneer/Monsanto



C Workshops and seminars

C.1 Training and education workshops

	COM	Workshop subject	Proposed Date	Region
1	STA/GMO TF	ISTA Seminar on specified trait testing	Jun 2008	Italy
2	STA/GMO TF	Workshop on Statistical Aspects of GMO Detection	Upon request, max 1 per year	

C.2 Seminars

	COM	Seminar subject	Proposed Date	Region
1	STA	8 th Seminar on Statistics in Seed Testing	Sep 2008	Netherlands

D Proficiency tests

	Proficiency Test Subject	Proposed date	Collaboration
1	Support upon request from other committees	On-going	Any committee
2	Review GMO PT rating system; if necessary, enhance rating system	2008	Secretary general, GMO TF
3	Official rating of GMO PTs	On-going	Secretary general, Expert group

E Special projects

	COM	Project name/subject	Proposed finalisation	Collaboration
1	STA	Seedcalc8	2007	GMO TF
2	STA	Contact with Y. Bertheau, Co-Extract project (http://www.coextra.eu/)	2007	GMO TF
3	STA	R program for stack assessment	2008	GMO TF
4	STA	Retrospective analysis of past GMO PTs	2008	GMO TF
5	STA	Establishment of draft tolerances for GMO detection in seed testing	2008	GMO TF



11. STO Storage Committee

SEED STORAGE COMMITTEE: 3-year outline of activities (2007-10)

Objectives	Research topics#	Members (<u>new</u>)*
Output 1: Enhancing wet storage potential 	Characterising species of economic importance: horticulture / forestry	<u>X-Y. Yang - China</u> M. Sacande - UK <u>I. Ferraz - Brazil</u> H. Pritchard – UK (Chair) H. Msanga - Tanzania P. Berjak - RSA
	New methodologies: cryo / in vitro	<u>S. Ajayi - Nigeria</u> <u>S. Ashmore - Australia</u> E. G-Benito - Spain D. Mycock – RSA (Vice-Chair) <u>N. Sershen - RSA</u>
Output 2: Improving dry storage performance 	Manipulate pre- and post-storage responses: ultradry / long-term / health	F. Gorian – Italy R. Blanco - Spain P. Leon-lobos - Chile C. Cuadra - Spain I. Martin - Spain
	New methodologies: cryo / in vitro	

*The topics of activity are indicative of the main interests of the committee members and do not preclude them from contributing to more than one area.

Research topics and key performance indicators

Species characterisation:

> 100 economic species characterised as orthodox or non-orthodox (seed physiology)

New methodologies

> 5 species cryopreservation methods produced (seed cryobiology)
Somatic embryogenesis resolved for 2 species (seed biotechnology)

Manipulate storage:

> 70 species long-term storage data reviewed (seed 'banking')
Risks of ultradrying assessed on 10 species (seed biophysics)
Thermotherapy applied to 5 species (seed health)



Main activities

Research topics:

- Experimental research on species characterisation, new methods and manipulation for improved storage for a wide range of species.

Workshops:

- Sponsor session of Seed Desiccation Workshop in RSA in early 2010
- Co-sponsor with IUFRO 'Trees, seeds in a changing climate' (UK, 2008)

Towards seed storage recommendations:

- Write book on seed viability (30 years since 'Viability of Seeds' by Eric Roberts) subject to finding established authors, funding and publisher.
- Design, distribute and analyse questionnaire on seed storage needs, capacity, and capability in ISTA labs.
- Draw up guidelines on seed storage for possible incorporation into the 'rules'.



12. TEZ Tetrazolium Committee

Chair:	1	Stefanie Krämer	Germany
Vice-chair:	2	Ronald Don	United Kingdom
Members:	3	Augusto Martinelli	Argentina
	4	Anny van Pijlen	Netherland
	5	Valerie Blouin	France
	6	Sharon Davidson	United States
	7	María Belén Aranguren	Argentina
	8	Teresita Farras	Uruguay
	9	Gary Duffy	Ireland
	10	Linda Maile	United Kingdom
	11	Irena Jumburga	Latvia
	12	Jose B. Franca- Neto	Brazil
	13	Sergio Pasquini	Italy
	14	Karen Hill	Australia

A Rules Development

A.1 Introduction of Rules Changes

	TCOM	Subject	Proposed finalisation	Collaboration
1	TEZ	Reorganisation of the introduction of Tab. 6	2007	
	TEZ	Continuation of the figures 6.3 for all cereals	2008	

A.2 Introduction of New Species

	COM	Species	Subject	Proposed finalisation	Collaboration
1	TEZ	<i>Larix</i> <i>Picea</i>	Tetrazolium test	2008	FTS
2	TEZ	<i>Lycopersicon</i> <i>Allium</i> <i>Cucurbita</i> <i>Lactuca</i>	Tetrazolium test	2007	University Hohenheim
3	TEZ	<i>Two Flower species</i>	Tetrazolium test	2008	FSC. Cooperation Baden-Württemberg/Hungary
4	TEZ	<i>Chloris gayana</i>	Tetrazolium test	2009	
5	TEZ	<i>Glycine max</i>	Tetrazolium test	2008	
6	TEZ	<i>Carica papaya</i>	Tetrazolium test		
7	TEZ	<i>Pennisetum spp.</i>	Tetrazolium test		

B Publications

B.1 Publications to accompany Rules

	COM	Publication title	Proposed finalisation	Collaboration
1	TEZ	Reorganise Handbook Tetrazolium (Digital version of the current TEZ Handbook is finished)	2010 ?	-
2	TEZ	Continue Working sheets		FST, FTS

C Workshops and Seminars

C.1 Training and education workshops

	COM	Workshop subject	Proposed Date	Region
1	FTS/T EZ	TEZ Tree and Shrub The workshop will be combined with the ISTA Ordinary	June 2008	Peri (Verona)- Italy



		Meeting 2008 in Bologna		
2	FTS/ EZ	Tropical tree and Shrub Seed Workshop	March 2009	Curitiba, Brazil
3	TEZ/ GER/ PUR	Tetrazolium-Germination-Purity-workshop,	June 2010	Karlsruhe, Germany

D Proficiency Tests

	COM	PROFICIENCY TEST SUBJECT	Proposed date	Collaboration
1	TEZ	<i>See Proficiency Test Committee</i>		



13. VAR Variety Committee

Chair:	1	Berta Killermann	Germany
Vice-chair:	2	Ana Laura Vicario	Argentina
Members:	3	Emanuela Casarini	Italy
	4	Rainer Knoblauch	Germany
	5	Kae-Kang Hwu	Thailand
	6	Cheryl Dollard	Canada
	7	David Zhang	France
	8	Sylvain Gregoire	France
	9	Ulf Kjellström	Sweden
	10	Eszter Timar	Hungary
	11	Jerzy Drzewiecki	Poland
	12	Hedwich Teunissen	Netherlands
	13	Savitha H. Reddy	India
	14	Kalyn Brix-Davis	United States
	15	Wendy Carnegie	Canada

A Rules development

A.1 Introduction of new methods

	TCOM	Method name/Subject	Proposed finalisation	Collaboration
1	VAR	DNA-based methods for variety testing (SSR)	in progress, 2010 or later	STA, BSC, GMO TF, WG method validation, Secretariat
2	VAR	An improved method for testing bitter lupines (Alkaloid test)	In progress (Rules Proposal in 2007)	STA, Secretariat, WG method validation
3	VAR	SDS-PAGE for discrimination <i>Triticum</i> spp. and <i>xTriticosecale</i>	2009/2010 or later	Secretariat
4	VAR	Phenol tests (<i>Oryza sativa</i> , <i>Vicia striata</i> , <i>Poa pratensis</i> , other species)	2010 or later	Secretariat
5	VAR	Fluorescence tests (<i>Glycine max</i> , <i>Pisum</i> spp.)	2010 or later	Secretariat
6	VAR	Tests using chemical bases (<i>Triticum aestivum</i> , <i>Sorghum bicolor</i> , red <i>Oryza</i> and <i>Oryza</i> varieties, <i>Melilotus</i> spp.)	2010 or later	Secretariat
7	VAR	Other chemical tests (<i>Glycine max</i> , <i>Avena</i> spp., <i>Sinapis arvensis</i> , <i>Lupinus</i> spp., <i>Vicia faba</i>)	2010 or later	Secretariat
8	VAR	Chromosome number (<i>Lolium</i> spp., <i>Trifolium pratense</i> , <i>Beta vulgaris</i>)	2010 or later	Secretariat



A.2 Introduction of new species

	COM	Species	Subject	Proposed finalisation	Collaboration
1	VAR	<i>Brassica</i> , <i>Lactuca</i> , <i>Cichorium</i> , Winter-Summer Cereals, <i>Sinapis arvensis</i> in Brassica	List of procedures from the German Method Book for inclusion in the Rules (Eggebrecht, H., 1949) different methods (no electrophoresis)	later than 2010	Secretariat
2	VAR	tropical species	a survey (questionnaire) within ISTA should be carried out	2008/2009	Secretariat, GER,
3	VAR	tree species	a survey (questionnaire) within ISTA should be carried out	2009/2010	Secretariat, GER, FTS

A.3 Introduction of Rules changes

	TCOM	Subject	Proposed finalisation	Collaboration
1	VAR	Improvement of APAGE for <i>Triticum</i> spp.	2010	Secretariat

B Publications

B.2 Publications to accompany Rules

	COM	Publication title	Proposed finalisation	Collaboration
1	VAR	ISTA Handbook (Electrophoresis Testing)	2010 or later	Secretariat
2	VAR	ISTA Handbook (Rapid Chemical Identification Techniques)	2010 or later	Secretariat
3	VAR	ISTA Handbook (Growth Chamber – Greenhouse Testing Procedures: Variety Identification)	2010 or later	Secretariat
4	VAR	ISTA Handbook (Laboratory Tests for Variety Determination with Fungal Pathogens)	2010 or later	SHC, Secretariat
5	VAR	ISTA Handbook (DNA-based methods) – new !	later than 2010	Secretariat, GMO TF

C Workshops and seminars

C.1 Training and education workshops

	COM	Workshop subject	Proposed date	Region
1	VAR	Conventional methods (electrophoresis methods, field trials)	April 2008	Germany
2	VAR	DNA-based methods	April 2009	Italy
3	VAR	DNA-based methods	April 2010	Italy
4	VAR	Workshop in co-operation with GMO TF in conjunction with the 2010 ISTA Congress	June 2010	Germany

E Special projects

	COM	Project name/subject	Proposed finalisation	Collaboration
1	VAR	Development of a method to distinguish two-, four- and six-rowed barley	2010 or later	Secretariat
2	VAR	Carrying out an inventory on methods for verification of varieties and cultivars of 'all' existing ISTA and non-ISTA methods. Collecting of all available and long needed methods for Variety testing (housekeeping methods – validated methods – non validated methods – all existing ISTA and non ISTA methods,) and put these methods	2010 or later	Secretariat



		into the database (see below)		
3	VAR	Design of a database and including of all available and long needed methods for Variety Testing (see above)	in progress	Secretariat
4	VAR	Comparative tests: methods: DNA-based methods (SSR) species: Triticum aestivum , Glycine max, Oryza sativa, Zea mays	in progress	STA, GMO TF
5	VAR	Comparative tests: methods: SDS-PAGE, APAGE, IEF, species: Triticum spp, xTriticosecale	2008/2009	
6	VAR	Comparative tests: methods: SDS-PAGE, APAGE, IEF, species: Festuca spp. Poa spp.	2009/2010	



14. VIG Seed Vigour Committee

Chair:	1	Alison A. Powell	United Kingdom
Vice-chair:	2	Michael Kruse	Germany
Members:	3	Patricia Brownfield	United States
	4	Emanuela Casarini	Italy
	5	Malavika Dadlani	India
	6	Marie-Helene Wagner	France
	7	Anders Lomholt	Denmark
	8	John Hampton	New Zealand
	9	Hulya Ilbi	Turkey
	10	Mohammad Khajeh Hosseini	Iran
	11	Seok Hyeon Kim	Korea
	12	Tim Loeffler	Netherlands
	13	Gillian McLaren	United Kingdom
	14	Rasha El-Khadem	Austria
	15	Yan Rong Wang	China

A Rules development

A.1 Introduction of new methods

Topic	Proposed finalisation
1. Comparative tests	
i) Development of new tests	
Rate of germination test for <i>Zea mays</i> .	2008
ii) Addition of species to validated tests	
Conductivity test: <i>Glycine max</i> (in Europe)	2008
Conductivity test: <i>Brassica</i> species (oilseed rape, vegetable and forage brassicas)	2010
Controlled deterioration test: pepper (<i>Capsicum annuum</i>)	2009
2. Method Validation	
i) New tests	
Controlled deterioration test for Brassica species : Submission of comparative test data from 1995-1998, 1998-2001, 2001-2004	2008
Rate of germination test: <i>Zea mays</i> (after 1.i above).	2009
ii) New species	
Conductivity test: addition of <i>Phaseolus vulgaris</i>	2008
Conductivity test: addition of <i>Glycine max</i> (after 1.ii above).	2010
Accelerated ageing test: addition of <i>Zea mays</i>	2008
Controlled deterioration test: addition of <i>Capsicum annuum</i> (assumes validation of Controlled deterioration test in 2.i)	2009



3. Rules Proposals	
i) New tests	
Introduction of the Controlled Deterioration test for Brassica species	Submit November 2008 for Ordinary meeting 2009
Introduction of the Rate of Germination test for <i>Zea mays</i>	Submit November 2009 for Ordinary meeting 2010.
ii) Addition of new species	
<u>Accelerated Ageing test</u> : addition of <i>Zea mays</i> .	Submit November 2008 for Ordinary meeting 2009
<u>Conductivity test</u> : addition of <i>Phaseolus vulgaris</i> .	Submit November 2008 for Ordinary Meeting 2009.
<u>Conductivity test</u> : addition of <i>Glycine max</i> .	Submit November 2009 for Ordinary Meeting 2010
4. Proficiency tests	
Conductivity test for <i>Pisum sativum</i>	2008-2009
5. Workshops	
Bologna, Italy	15 – 19 April 2008
Mashhad, Iran	April / May 2009
6. Publications	
Vigour Test Handbook: revision of handbook to produce 4 th edition.	Partial first draft: June 2008
Preliminary work on Rate of Germination test for rice	2010
Vigour tests for forage species: dependent on contacts in Brazil	
Possible work on Tetrazolium test	



15. GMO Task Force

The GMO Task Force is composed of 17 members, who hold voting rights within the task force in cases where official voting is required, and 2 ex-officio members, who will be fully informed on all activities of the Task Force.

Chair:	1	Christoph Haldemann	ALP	Switzerland
Members:	2	Sylvain Grégoire	GEVES	France
	3	Jean-Louis Laffont	Pioneer,	France
	4	Enrico Noli	LaRas University	Italy
	5	David Grothaus	Monsanto	USA
	6	David Zhang	GEVES	France
	7	Elizabeth Bates	Bayer	Belgium
	8	Sofia Ben Tahar	Limagrain	France
	9	Charlotte Leonhardt	AGES	Austria
	10	Benjamin Kaufmann	Pioneer	USA
	11	Michael Stahr	Iowa State University	USA
	12	Anna Laura Vicario	INASE	Argentina
	13	Cheryl Dollard	CFIA	Canada
	14	Brigitte Roth	LTZ Augustenberg	Germany
	15	Lutz Grohmann	BVL	Germany
	16	Kirk Remund	Monsanto	USA
	17	Gerhard Schuon	ISTA Secretariat	
	Ex-officio members:	18	Bernard Le Buanec	ISF Secretary General
19		Michael Muschick	ISTA Secretary General	

Regarding the Working Programme, the tasks below have been identified to be of importance in the work of the Task Force for the period 2007-2010.

Permanent tasks

1. Continuation of the Proficiency test.

The main tasks are the working out of the testing plans of the proficiency test and the successful execution of the proficiency test (organisation of the necessary material, preparation of the samples, sending out of the samples).

WG leader: Sylvain Grégoire

Members: Cheryl Dollard, Lutz Grohmann, David Zhang, Gerhard Schuon, Christoph Haldemann

2. Continuation of the accreditation programme (performance based approach).

The main task is to define the conditions and requirements of the performance based approach and the evaluation of the proficiency test results in regards to the status of accredited labs.

WG leader: David Zhang

Members: Charlotte Leonhardt, Sofia Ben Tahar, Sylvain Grégoire, Brigitte Roth, Kirk Remund

3. Information exchange: webpage and workshops.

The main task is to provide information for the update of the ISTA webpage, consider the structure of the ISTA webpage and make enhancements and the participation in the organisation or lecturing in ISTA GMO workshops.

WG leader: Benjamin Kaufmann

Members: Enrico Noli, Charlotte Leonhardt, Michael Stahr, Cheryl Dollard, Christoph Haldemann



4. Reference material distribution in the framework of the performance based approach.
The main task is the organisation of the material for the reference samples and the preparation of the reference samples as well as the sending out of the samples.

WG leader: Brigitte Roth

Members: David Grothaus, Benjamin Kaufmann, Elizabeth Bates

Temporary Tasks:

1. Participation in the Organising Committee of the first global conference of GM analysis.
The main task is to support the ISTA delegate in the organising committee with information and consider the usefulness of the programme from a viewpoint of GM seed testing.

WG leader: Elizabeth Bates

Members: Michael Stahr, Sylvain Grégoire, Ana Laura Vicario

2. Execution of the ISTA Seminar on GM Analysis at the Annual Meeting 2008.
The main task is to decide on the aims and a programme for this Seminar and identify possible speakers for this seminar.

WG leader: Ana Laura Vicario

Members: David Grothaus, Enrico Noli, Benjamin Kaufmann, Michael Stahr,

3. Identification of stacked genes.
The main task is to find an approach to identify stacked genes in seeds.

WG leader: Jean-Louis Laffont

Members: Sylvain Gregoire, Kirk Remund, Elizabeth Bates, Lutz Grohmann

4. Publication of the results of the Proficiency Test.
The main task is to evaluate and consider the results of the ISTA proficiency test from various angles and make a publication out of it in a scientific style.

WG leader: Kirk Remund

Members: Sylvain Grégoire, Jean-Louis Laffont, Gerhard Schuon, Christoph Haldemann



Committees with standing tasks

16. Editorial Board of Seed Science and Technology

The task of the editorial board is to edit the ISTA scientific journal „Seed Science and Technology“

Seed Science and Technology (SST) is one of the leading international journals featuring original papers and review articles in all areas of seed production, sampling testing, storing, processing and distribution.

SST is published in three issues per volume and year with approximately 800 pages.

17. Rules Committee

The Rules Committee is responsible for publishing the ISTA Rules.

One of the main tasks is to edit all the rules proposals and decide whether they are technically sound on a formal basis and on a content basis by statement of the relevant ISTA Technical Committee. To find compromises on technical questions when differences in the opinions are arising between committees.

The chairman of the Committee is presenting the rules proposals during the Annual meetings and congresses to the ISTA Membership and the voting Governments.

18. Proficiency Test Committee

The task of the Proficiency test committee is to manage the ISTA proficiency test being relevant for the accreditation of the ISTA member laboratories in all aspects and in supporting single committees by setting up proficiency test in these areas on a non-regular basis.

2008 - 2010 ISTA PROFICIENCY TEST PROGRAMME PLAN- LIST OF SPECIES AND TESTS BY ROUND

Round	Species	Dispatch date	Tests
08-1 L.mul	<i>Lolium multiflorum</i>	February 2008	P OSD G TZ M OIC
08-2 P.gra	<i>Portulaca grandiflora</i>	June 2008	P OSD G
08-2 Z.may	<i>Zea mays</i>	June 2008	G
08-3 D.car	<i>Daucus carota</i>	October 2008	P OSD G
09-1 H.vul	<i>Hordeum vulgare</i>	February 2009	P OSD G TZ
09-2 L.usi	<i>Linum usitatissimum</i>	June 2009	P OSD G
09-3 O.sat	<i>Oryza sativa</i>	October 2009	P OSD G OIC
10-1 A.spp	<i>Agrostis</i>	February 2010	P OSD G
10-2 M.lup	<i>Medicago lupulina</i>	June 2010	P OSD G TZ OIC
10-3 V.fab	<i>Vicia faba</i>	October 2010	G M

* P = Purity, OSD = Other Seed Determination, G = Germination, TZ = Tetrazolium, M = Moisture, OIC = Test round includes reporting on an ISTA Orange International Seed Lot Certificate



19. Seed Analyst Training Committee

The ISTA seed analyst training committee will focus its activities on the vision of achieving "Uniformity of Seed Analyst Training" worldwide. For that the committee will accredit contracted seed analyst training providers, which may be an individual laboratory, a company or a governmental organisation, which fulfil certain criteria.

The provided training will be offered on two levels, the standard level and the advanced level. Trainees who successfully complete their training at standard level and/or advanced level will be awarded the ISTA certificate of proficiency in seed testing.

20. ISTA Method Validation Advisory Group

With the installation of a generic method validation programme and the requirement that all major change and insertions in the ISTA Rules need to be validated, this group has been founded to actively support the Technical Chairman in all questions of method validation.

They should be the facilitator regarding the successful installation of the validation programme.

21. Publications Working Group

Members: Anne Bülow-Olsen (Chair), John Hampton, Jonathan Taylor, Steve Jones

Terms of reference

1 List all ISTA "badged" publications either published on paper or the internet, e.g. Rules, handbooks, workshops, journals, books, guidelines, standards, computer programs

2 Classify publications into:

For members only

Open access

Access after payment for non-members

3 Define different levels of access, e.g. time limited, one copy only

4 Recommend new procedures

5 Recommend publications that needs to be added to the ISTA publication list

6 Recommend publications that needs to be removed from the ISTA publications list