



Unclassified

TAD/CA/T/M(2010)1

Organisation de Coopération et de Développement Économiques
Organisation for Economic Co-operation and Development

20-Apr-2010

English - Or. English

TRADE AND AGRICULTURE DIRECTORATE
COMMITTEE FOR AGRICULTURE

OECD Standard Codes for the Official Testing of Agriculture and Forestry Tractors

DRAFT SUMMARY RECORD OF THE 2010 ANNUAL MEETING OF THE OECD TRACTOR CODES

OECD Headquarters, Paris, France,
23-24 February 2010

This document is circulated to Delegations, National Designated Authorities and Observers with a view to its approval at the 2011 Annual Meeting of the Tractor Codes.

A list of participants is included in Annex 1.

Contact: Marion.Lalisse@oecd.org

JT03282104

Document complet disponible sur OLIS dans son format d'origine
Complete document available on OLIS in its original format

DRAFT SUMMARY RECORD OF THE 2010 ANNUAL MEETING

SUMMARY OF THE DECISIONS

1. Officers were confirmed: Mr. Sandro Liberatori as incoming chair, Mr. Roger Hoy as chair, Mr. Herbert Lampel as outgoing chair.
2. The Summary Records of 2009 meetings were adopted.
3. As part of the Programme of Work and Budget, the following projects were proposed:
 - Develop a test protocol for autoguidance systems
 - Use the knowledge of the Codes on ROPS in the vehicle industry
 - Promote farmers' awareness about safety issues and establish guidelines
 - Develop a Code on cab filtering systems or include them in an existing Code
 - Promote the use of electrical power in addition to hydraulic power and PTO
 - Capacity building and promotion of the Codes

In principle, delegates supported the proposed 3% increase per annum for the next biennium, subject to no adverse written comments by 15 March. Written comments were invited on the Programme of Work and Budget by 15 March 2010, including on the prioritization of projects. Adverse comments were received from one delegation on the proposed 3% increase. The proposed increase was therefore not approved.
4. With reference to document TAD/CA/T/RD(2010)3, the Annual Meeting agreed to continue with a two-day Annual Meeting, two Technical Working Group (TWG) meetings per year and to refocus the biennial Test Engineers' Conference.
5. Document TAD/CA/T(2010)2 on SCR and TAD/CA/T(2010)3/REV1 on DPF were adopted on an optional basis. The proposals will be included as tests in Code 2.
6. TAD/CA/RD(2010)4 on the control of ambient air temperature and WD 1 on fuel temperatures have been referred to the TWG for discussion.
7. The document on the simplification of the test report on Code 4 TAD/CA/T(2010)4 was accepted.
8. Document TAD/CA/T(2010)6 on the worst case scenario was referred to the TWG for further discussion. Italy, France, Germany and UK will present a joint paper at the next TWG meeting.
9. Document TAD/CA/T(2010)7 on the seatbelt buckle release force was approved, subject to the addition of the following sentence: "This requirement is fulfilled for seat belt assemblies that satisfy the requirements of UN-ECE R-16 or Directive 77/541/EEC as last amended."
10. TAD/CA/T(2010)8 on the determination of the 1/6 W longitudinal load point was approved.
11. TAD/CA/T/RD(2010)7 on the mass of narrow-track tractors is deferred to the TWG for further discussion.
12. Document TAD/CA/T(2010)9 introducing a time limitation of 6 months for approval requests was adopted.
13. Document TAD/CA/T(2010)10 with preliminary proposals to modify the Codes was referred to the TWG for further discussion.
14. Comments on the report of the Scientific Working Group TAD/CA/T/RD(2010)5 should be sent to the Secretariat with copy to Emmanuel Hugo (Emmanuel.Hugo@cemagref.fr) by 2 April 2010. The SWG will meet in the coming months and a revised report will be presented to the TWG meeting in June.
15. Harmonization between the OECD and ISO:

No changes will be made to the OECD Tractor Codes without prior approval of the Annual Meeting.

- Document TAD/CA/T/RD(2009)8/REV2 on the Maintenance Agency was approved subject to written approval by the UK by 2 April.
- Proposal to harmonize Code 10 and ISO 27850 TAD/CA/T(2010)11/REV1 and proposal to harmonize Code 4 and ISO 5700 TAD/CA/T(2010)12/REV1: comments can be sent to the OECD Secretariat by 2 April. In annex B of Code 4, point B 3.2.2 will be deleted and replaced by the current text of Code 4. The documents will be considered approved if only editorial comments are received by 2 April.

2010-2011 Meetings of the Tractor Codes:

- TWG meeting in Antalya, Turkey on 29-30 June 2010
- TWG meeting in Taormina, Italy in early November 2010
- 2011 Annual Meeting of the Tractor Codes, OECD, Paris, 24-25 February 2011.

1. Opening statement by the Secretariat

Mr Wayne Jones, Head of the Agro-food Trade and Markets Division of the OECD gave an opening speech. He welcomed Bulgaria who attended the Annual Meeting as an observer for the first time. He indicated that the Annual Meeting of the OECD Tractor Codes would be followed by the Meeting of the Committee for Agriculture at Ministerial level, which last met in 1998.

2. Confirmation of Officers

Officers were confirmed for the second year of their term: Mr Sandro Liberatori (Italy) was confirmed as incoming chair, Mr Roger Hoy (US) as Chair and Mr Herbert Lampel (Austria) as outgoing Chair. The Advisory Bureau includes the Chair and Vice-Chairs, as well as the Secretariat, the Co-ordinating Centre, and the Chair of the Technical Working Group.

Delegates agreed to acknowledge the significant contribution of Mr. Hakkyu Kim to the OECD Tractor Codes throughout his career, as he retired at the end of 2009. He was a member of the Bureau for 6 years until 2009 and successfully organized the 2009 Test Engineers' Conference that took place in Korea.

3. Adoption of the Draft Agenda [TAD/CA/T/A(2010)1/REV1]

The revised Draft Agenda was adopted, subject to a switch in the order of item 17.1 with 17.2 and 17.3 and 17.4. Delegates were informed that Bulgaria would give a presentation under item 6.3. It was also mentioned that additional working documents would be presented. These documents are not available on OLIS: Working Document 1 (WD1) would be discussed under item 10, WD2 under 17.2, WD 3 under item 20, WD 4 under item 16.1 and WD 5 under item 16.2. Item 18 and 19 would be discussed on Wednesday morning.

4. Adoption of the Summary Record of the 2009 Annual Meeting [TAD/CA/T/M(2009)1]

Delegates adopted the Summary Record of the 2009 Annual Meeting.

5. Summary Records [TAD/CA/T/M(2009)2, TAD/CA/T/M(2009)4/REV2, TAD/CA/T/M(2009)3/REV1]

Delegates adopted the Summary Records of the Technical Working Group (TWG) on updating the Codes held in Spain on 1-3 June 2009 and in Korea on 24 September 2009. Delegates also adopted the Summary Record of the Test Engineers' Conference held in Korea on 21-23 September 2009.

The Secretariat gave a brief report of the Bureau Meeting. The Bureau discussed the documents for adoption at the Annual Meeting as well as the transition from Cemagref, the former OECD Co-ordinating Centre to Enama, the new Co-ordinating Centre as of 1 January 2010.

6. Secretariat Activities in 2009-2010

6.1 Secretariat's activities and Budget Report [TAD/CA/T/RD(2010)1]

The Secretariat presented a brief overview of the main activities since the 2009 Annual Meeting. Following a call for proposals, the new contract for the services of Co-ordinating Centre was awarded to Enama. The contract of Cemagref, acting as Co-ordinating Centre ended on 31 December 2009 and Enama

took over from Cemagref on 1 January 2010. Details of the 2010 fees were given in document [TAD/CA/T/RD(2010)1] and on a flyer distributed to all delegates. The number of participating countries fell to 28 as the Netherlands withdrew from the Codes at the end of 2009. The Slovak Republic has indicated that it intends to withdraw from the Codes at the end of 2010. Several countries expressed their interest in the work of the Tractor Codes (Argentina, Brazil, Bulgaria, Mexico and Saudi Arabia). The proposals adopted by the 2009 Annual Meeting were endorsed by the Committee for Agriculture. The Codes were updated to reflect the agreed changes. The 2010 version of the Codes was released on 1 February 2010 and this version supersedes all previous versions. USB keys with the 2010 versions of the Codes were distributed to participants. The website has been updated with events and test abstracts.

The Secretariat gave a detailed presentation of the budget. Three countries have arrears: Austria, Denmark and Luxembourg.

6.2 *Draft Programme of Work and Budget 2011-2012* [TAD/CA/T/RD(2010)1]

The Secretariat is in the process of discussing the 2011-2012 Programme of Work and Budget. In addition to the ongoing work of the Scientific Working Group, the Bureau proposed several new projects:

- Develop a test protocol for autoguidance systems
- Use the knowledge of the Codes on ROPS in the vehicle industry
- Promote farmers' awareness about safety issues and establish guidelines
- Develop a Code on cab filtering systems or include them in an existing Code
- Promote the use of electrical power in addition to hydraulic power and PTO
- Capacity building and promotion of the Codes

The delegate from the UK raised the idea to develop a more generic test for ROPS with a possible single Code. The Italian delegate suggested adding to Code 5 a testing procedure to measure vibrations.

The Secretariat presented the budget for the Codes. The OECD Council adopted the 2009-2010 budget in December 2008. The OECD Tractor Codes budget has to comply with a Zero Nominal Growth, leading to an unchanged envelope for 2009 and 2010 compared to 2008. This resulted in a 9% cut in the budget from 2008 to 2010. In absolute terms, this meant that the budget underwent a cut of 27 000 Euros. The Secretariat proposed an annual increase of 3% in the 2011 and 2012 budgets. This would allow the Secretariat to continue delivering the core part of the work and to work on specific projects. It was also mentioned that voluntary contributions are welcome, in particular, to undertake specific projects.

In principle, delegates agreed on the proposed 3% increase per annum for the next biennium. It was decided that delegates would have the opportunity to send written comments to the Secretariat on the Programme of Work and Budget by 15 March, including comments on possible projects and prioritization. The OECD Secretariat received adverse comments from the UK on the 3% increase of the budget. The budget will therefore be maintained on a zero real growth basis (ZRG), for the period 2011 and 2012.

6.3 *Participating Countries and Organisations* [TAD/CA/T(2010)1]

The Secretariat reported that three new countries joined the Codes and Schemes since the 2009 Annual Meeting. Kenya and Serbia joined the Fruit and Vegetables Scheme and Ukraine joined the Seed Scheme. The Tractor Codes did not receive any formal applications during the past year. However, the Secretariat reminded delegates that Argentina, Brazil, Bulgaria, Mexico and Saudi Arabia were invited to the Annual Meeting as observers. Bulgaria attended the 2010 Annual Meeting as observer for the first

time. The Netherlands withdrew from the Scheme on 1 January 2010 and Slovakia expressed its wishes to withdraw next year.

The delegate from Bulgaria gave a presentation on the Agricultural and Forest Machinery Test Centre (AFMTC) in Ruse. The centre was founded in 1956 as Machinery Testing Station. A year ago, Bulgaria started the preparation to implement the OECD Tractor Codes. Their intention is to first implement Code 2 and 5. The Centre is performing tests in accordance with European directives, International, European and Bulgarian standards. AFMTC is an active member of two technical committees in the Bulgarian Standardization Institute (TC 23 - Tractors and machinery for agriculture and forestry and TC 82 - Acoustics, sound and vibration). The Centre provides training for operators of agricultural machines.

7. Amendments in the 2010 OECD Tractor Codes [TAD/CA/T(2010)2]

The Secretariat presented the amendments in the 2010 version of the Tractor Codes that was released on 1 February 2010. Three modifications were included:

- The minimum mass of tractors tested according to Codes 6 and 7 was lowered from 600 to 400 kg
- The seatbelt anchorage performance test was revised in Codes 3, 4, 6, 7, 8 and 9
- Code 10 was revised to allow the use of several samples of a FOPS if different drop tests are required.

In addition, several editorial corrections and improvements in wording were made.

USB keys with the 2010 version of the Codes were distributed to all participants in the Annual Meeting.

8. The role, structure and frequency of the meetings [TAD/CA/T/RD(2010)3]

Mr. Roger Hoy presented the room document with several proposals to improve the organization of the meetings. He insisted that the Test Engineers' Conference (TEC) should be an area to observe, review and discuss testing practices whereas Technical Working Group meetings (TWG) prepare updates to the Codes. While the TWG can have both technical and non-technical participation, the TEC should be attended by test engineers. The Annual Meeting is a body where amendments to the Codes are approved. The paper also proposed to schedule a TEC every two or three years instead of every two years. Austria expressed a preference for two-year. The document also proposed that the Bureau should play a greater role in providing advice and guidance to the host country. The UK expressed its support for the paper: the TEC should provide training opportunities for engineers. The Co-ordinating Centre proposed to provide topics for discussion at the TEC based on their experience with test reports.

Delegates agreed to refocus the TEC and the Bureau would play a greater role in the preparations of this event. Countries were invited to volunteer to host the next Test Engineers' Conference in 2011-12.

As regards the organization of the other meetings, the document proposed to shorten the Annual Meeting to one day and to organize a TWG meeting either before or after the Annual Meeting. France stressed that the Annual Meeting is not only a place to approve decisions, but also a forum to discuss strategic issues and should therefore not be shortened.

It was decided not to change the current frequency of the TWG meetings and to maintain a two day Annual Meeting. However, it was decided that at each Annual Meeting delegates would decide on the

frequency and timing of future TWG meetings on the basis of the workload.

PERFORMANCE CODE

9. PTO test and Emission Control Technology [TAD/CA/T(2010)2, TAD/CA/T(2010)3/REV1]

Both documents were drafted by the US, with inputs from France. The first proposal dealt with the Selective Catalytic Reduction (SCR) System, using a reducing agent also known as DEF (Diesel Exhaust Fluid) or urea [TAD/CA/T(2010)2]. The paper proposed to include in Code 2 the DEF consumption, in the same way as the fuel consumption. The European Commission proposed editorial corrections in the text, concerning the units (kg, kWh/l).

The second proposal dealt with the Diesel Particulate Filter (DPF), a technology to reduce unwanted emissions [TAD/CA/T(2010)3/REV1]. It was proposed to include a definition in Code 2 as well as an additional section about tractors equipped with DPF. The specimen test report would also be amended to allow manufacturers to declare information on DPF.

The Annual Meeting approved the two proposals. They will be included in the optional part of Code 2.

10. Temperatures during PTO testing [TAD/CA/T/RD(2010)4, T/AM/WD/2010/1]

This topic was presented by the US delegation. The rationale behind document [TAD/CA/T/RD(2010)4] is that ambient air has an impact on the result of the tests, in particular, on performance and fuel consumption. It was therefore proposed to introduce a control of ambient air temperatures: The US proposed to target 23°C and to restrict the range of possible variation around that target. The Turkish delegate expressed his disagreement with the 3rd point of the proposal on average grill screen and air intake temperatures. The German delegate informed the meeting that he could not agree with the full proposal, in particular, due to lower temperatures during the winter time. The Co-ordinating Centre considered that this topic would be an interesting point to discuss at the TWG, as test procedures need to be comparable between all testing stations.

A second document was presented on the measurement of fuel temperatures [T/AM/WD/2010/1]. This would allow normalizing the impact of fuel temperatures on performance.

It was agreed that both documents would be deferred to the TWG meeting in Antalya in June 2010. Comments from delegates are invited by 2 April.

PROTECTIVE STRUCTURE CODES

11. Simplification of the specimen test report in Code 4 [TAD/CA/T(2010)4]

Mr. Roethemeyer presented this document which was jointly prepared by Germany and Denmark. The document had been discussed at the TWG meeting in Spain and Korea. The participants in the TWG provided comments on the content and these comments were included. Finland noted that the abbreviation of kg should be corrected. It was mentioned that the proposal had been updated in order to use the specimen test report included in the 2010 version of Code 4.

The simplified specimen test report in Code 4 was adopted. It will be included in the 2011 version of Code 4.

12. Proposal to update Code 10

This item was not discussed at the Annual Meeting and was referred to the next TWG in Turkey.

13. Seat belt anchorage test

13.1 Proposal to introduce a definition of the worst case scenario [TAD/CA/T(2010)6]

The delegate from the UK introduced the proposal that had been discussed at the two TWG meetings in 2009. Mr. Foreman reminded delegates that the document was drafted in the wake of the 2009 Annual Meeting, in order to clarify the content of the Codes, as amended by the 2009 Annual Meeting [TAD/CA/T(2009)5]. The principle of worst casing was added to the 2010 version of the Codes but some clear guidelines were needed, to explain what criteria should be used while worst casing. The Coordinating Centre supported the idea to establish guidelines in order to harmonize practices. A discussion took place on whether the statement added in the 2010 version of the Codes should be revisited at the next TWG meeting. The German delegates pointed out that an extensive discussion had taken place on the proposal agreed at the 2009 Annual Meeting. The document prepared by the UK and presented at the 2010 Annual Meeting was intended to complete the changes made in the 2010 version of the Codes.

Italy, France, Germany and UK will present a joint paper on the worst case scenario at the next TWG meeting, with a view to its approval at the 2011 Annual Meeting.

13.2 Proposal to test the seatbelt buckle release force [TAD/CA/T(2010)7]

The US presented the document TAD/CA/T(2010)7 on the seatbelt buckle release force to introduce an optional test into an optional part of the Codes 3, 4, 6, 7 and 8. Finland pointed out that it was a bit confusing that the seatbelt buckle release force was included in the seatbelt anchorage performance. However, the chair explained that it was included in this part of the Code for practical reasons, as the seatbelt was already stretched. Mr. Durant proposed to add the following sentence, in order to be in line with the ISO text, and to take into account previous discussions at the TWG meeting: "This requirement is fulfilled for seat belt assemblies that satisfy the requirements of UN-ECE R-16 or Directive 77/541/EEC as last amended."

Mrs. Rondelli noted that the test of seatbelt buckle release force was once introduced into the Codes, but later removed. The chair reminded delegates that this deletion was due to the fact that the procedure had not been followed at that time.

Mrs. Rondelli indicated that it should be clearly stated that the test is optional.

Delegates adopted the proposal, subject to the addition of the sentence: "This requirement is fulfilled for seat belt assemblies that satisfy the requirements of UN-ECE R-16 or Directive 77/541/EEC as last amended."

14. Round shaped ROPS [TAD/CA/T(2010)8]

This proposal was jointly drafted by Germany and the US. The document was presented by Mr. Roethemeyer. The document aimed at clarifying the method to determine the 1/6 W longitudinal load

point. At the TEC and TWG in Korea, an initial proposal had been presented and demonstrations illustrated the proposal.

Mr. Roethemeyer explained that the figure 4.2 in Code 4 was not sufficient to determine the longitudinal load point for round shaped ROPS. A new figure 4.3 was thus proposed in the paper. The proposed changes should also be included in the other Codes for ROPS. A discussion took place on how to improve the figure. It was mentioned that the proposal does not cover all possibilities of shapes that could arise in the future, such as champered corners. The discussion on other shapes was deferred to the TWG. Finland proposed that the additional figure should replace the current figure 4.2.

The proposal to clarify the determination of the 1/6 longitudinal load point for round shaped ROPS was approved subject to some improvements in the proposed figure.

15. Research project on the reference mass: preliminary report of the Scientific Working Group [TAD/CA/T/RD(2010)5]

Mr. Hugo presented the progress report and outlook of the Scientific Working Group (SWG) on improvement of OECD Standard Test Codes for Roll-Over Protective Structures. He recalled the conclusions of the reports of the SWG presented at the 2009 Annual Meeting. It was concluded that Code 4 formulas are valid with a safety margin of 30 to 40 %. The group had proposed to consider a safety margin of 35%. In 2009, the SWG had expressed its willingness to continue the work with new formulas. The University of Bologna had been encouraged to undertake rollover tests and to then provide the results to the SWG members.

Since January 2009, no meeting of the SWG took place but work continued in member countries.

- In Italy (Bologna), some tests were carried out and results were presented in Annex 1. The major outcome of this experiment was that the energy absorbed by the ROPS at the impact point is limited in comparison with the total energy developed during the tractor roll over. Mrs. Rondelli presented a movie of a tractor overturning that illustrated the importance of the size of tyres in the absorption of energy. Narrow tyres absorbed around three times more energy than the large ones. She mentioned that the energy was measured at the impact point. The results indicated that in both cases there was an acceptable safety margin for this rollover configuration in respect to the applied energy during the lateral test of the ROPS. However, information regarding the silent block suspension system contribution was still to be included. In addition, the results suggested that the tractor configuration and the dynamics of the overturning played a key role in the general energy dissipation process during the tractor overturning.

- Spain finished their assignment requested by the Spanish Ministry. They would be ready to present a proposal for the next Annual Meeting, in order to set an upper limit to the mass increase for ballasted tractors at 75% in Code 4. This proposal would be in line with what had been presented at the TWG meeting in the US in 2008.

- In the UK, Andy Scarlett carried out research in order to assess the validity of Code 4 for extremely large tractors. The conclusion was that the validity and reliability of Code 4 drastically decreased when the mass of tractors increased. Further to this work, two proposals could be presented: The first option would be to include a direct link between the maximum permissible vehicle mass declared by the manufacturer and the minimum test reference mass which may be selected. The second option would be to consider modifying the formula of the lateral strain energy when the operating mass is above 8500 or 9000 kg.

- In France, simulation models were slightly improved. Further results were expected from Italy Bologna. Additional data provided by the ministries of labour and agriculture were incorporated into the synthesis done by the European Commission (in Annex II). The conclusions did not change much. Over the period 1997-2009, 114 accidents occurred, of which, 47 were lethal. In 38% of the accidents, the driver was ejected from the tractor. The US noted that the statistics pointed out that most casualties occurred when safety measures were not applied.

Mr. Hugo explained that there had been some delay in the implementation of the work of the SWG since the last Annual Meeting.

Mrs. Rondelli mentioned that it would be interesting to consider a real overturning of a tractor with forward velocity. This would imply technical difficulties due to the fact that the impact point would not be known in advance. In that case, a system based on accelerometers should replace the current system based on the measure of the force and deformation. The two methods should first be compared before the test is carried out.

As the document had been circulated only a few days before the Annual Meeting, it was decided to allow comments on the SWG report by 2 April. The SWG would then meet and further results would be presented at the TWG meeting in Turkey.

Comments on the report of the Scientific Working Group TAD/CA/T/RD(2010)5 should be sent to the Secretariat with copy to Emmanuel Hugo (Emmanuel.Hugo@cemagref.fr) by 2 April 2010. The SWG will meet in the coming months and a revised report will be presented to the TWG meeting in Turkey.

TEST REPORT APPROVAL

16. Co-ordinating Centre

16.1 Report of the Co-ordinating Centre for 2009 (Cemagref) [TAD/CA/T/RD(2010)6 and T/AM/WD/2010/4]

Mr. Vigier presented the 2009 annual report. He underlined that Cemagref had been working as Co-ordinating Centre (CC) for the OECD for around 50 years. Following a call for proposals, a new CC was chosen and this opened a period of transition.

Also, 2009 was a year of substantial increase in the number of approval requests, in particular at the end of the year. In total, there was a 21 % increase in the requests between 2008 and 2009. The surge was more important for performance tests. Requests for structural protection tests were rather stable. The CC faced problems to receive approvable reports without going through multiple iterations with the testing stations. The responsibility for these problems was shared between the CC and the stations: on the one hand, the CC may not always have provided clear comments. On the other hand, testing stations did not always take into consideration comments provided.

Mr. Vigier underlined that the end of the contract of OECD Co-ordinating Centre did not mean the end of the cooperation with the OECD tractor Codes and that Cemagref did not exclude participating in future projects and tenders.

Mr. Vigier then presented a closure report [T/AM/WD/2010/4] focusing on the end of their contract and on the transition period between Cemagref and Enama. On 31 December 2009, Cemagref's contract ended. Details on the files concerned by the transition were provided in the annex of the document. The OECD

Secretariat had set a deadline on 7 December 2009 for approval requests sent to Cemagref; 28 requests were received after that deadline. These 28 late files, as well as 23 other files were forwarded to Enama, the new CC. Discussions at the TWG meeting in Korea allowed closing 10 files for which no replies had come from testing stations. In addition, 41 files had already been checked by Cemagref but no approval had been granted. These 41 files would be transferred to Enama and would be sent to the Secretariat on 25 February 2010.

Cemagref had asked to be paid part of the approval fees in order to cover the work performed by the former Co-ordinating Centre on these 41 approval requests.

Cemagref would finalize the work on files approved (verification of the final revised test reports, circulation of the 80 printed copies etc).

The Chair noted that some files listed in the Annex were not correctly referenced. Cemagref would provide more details on those specific requests. Mrs. Djoummad explained that the US did not provide a reference to their requests except for Code 2. To ensure confidentiality on the approval files, Cemagref restricted the information provided in the document distributed at the Annual Meeting. They were ready to provide more information by email to the corresponding stations.

The Secretariat emphasized that approval requests should not be processed without proof of payment. This document should be sent to the Co-ordinating Centre, at the same time as the approval requests.

CEMA mentioned that approval requests sent to the OECD Co-ordinating Centre are likely to increase in the future, due to the fact that FOPS tests will be part of the EC homologation.

Cemagref agreed to forward the 41 remaining files to the Secretariat on 25 February 2010. Cemagref agreed to send, again, the status of reports to all testing stations and NDAs in order to clarify what is expected from the testing stations for files approved by Cemagref in the framework of their past role of CC for the OECD.

16.2 Information on the new Co-ordinating Centre (ENAMA) [T/AM/WD/2010/5]

Enama thanked Cemagref for their work. Mr. Carnevali explained that his team would strive to improve the existing system. He mentioned that 6 persons were working in the team of the Co-ordinating Centre. Ms. Giovanna Tizo is the person in charge of the automation of the system. 51 reports were received from Cemagref as new test reports. 30 of these 51 reports had already been processed. In addition, 36 new test reports were received directly from testing stations.

Mr. Carnevali indicated that his programme to improve the approval system was in line with the recommendations of the task force that had met several times. A first phase would be dedicated to the transmission of reports via internet. The second phase would be a complete automation of the system.

In the first phase, testing stations and NDAs will be able to communicate with the Co-ordinating Centre via a web based system. In order to secure the process, the files will be transmitted in an encrypted format (not readable without authorization) and the transmission channel will be based on https technology. The system will allow uploading and downloading files. A public key will be used. Testing stations will have to download a free programme on internet. In the following weeks, an email would be sent to testing stations and NDAs with ID and a password.

In the second phase, the approval process will be completely automated. There will be 4 typologies of users: the Co-ordinating centre, the Testing Stations, the NDAs and the OECD Secretariat. Enama presented a demonstration of the web prototype. In the future, this system will avoid using paper format, emails and will solve the issue of the dimension of files to be sent.

- Testing stations:

This system will allow testing stations to fill in fields online. It will be possible to fill in a blank report. A search engine enables to recall a file in order to request an extension for example.

- NDAs:

NDAs can access the system and can see requests from their testing station(s) after confirmation at the testing station level. The NDA cannot access the data from other testing stations from other countries.

- The Co-ordinating Centre:

The CC can read everything and check the approval requests.

- The OECD Secretariat:

The Secretariat can monitor the whole system.

Mr. Carnevali reminded delegates that while the first phase would be operational in the following weeks, the second phase with complete automation would be ready within a year.

The US inquired whether manufacturers would also have an access to the system during the second phase, in order to fill in the reports online. The Co-ordinating Centre explained that they had already considered this issue. For the time being, the prototype will be developed with only 4 categories of users. In the future, NDAs will be able to decide whether they want to provide a direct access to the manufacturers. The US asked whether manufacturers will be able to see the final report before it is sent to the Co-ordinating Centre. It was answered that in the future, NDAs will also be able to decide on this issue. France inquired whether the platform will be available in both official languages. The CC mentioned that it will not only be available in French and English but also in languages used by all Tractor Codes member countries, provided member countries help translating.

Concerning the first phase, Mr. Carnevali underlined that there will be no size limitation for uploaded files.

Several countries congratulated the new Co-ordinating Centre for developing a new system in order to face challenges and an increasing number of requests. They also expressed their support to the new team.

16.3 Proposal to amend the General texts of the Codes concerning time limitation of requests [TAD/CA/T(2010)9]

This proposal was presented by the OECD Secretariat. A first document had been presented by the former CC in Korea, in order to solve the issue of files for which no communication was sent by testing stations to the CC. The proposal aimed at setting a time limitation of 6 months for testing stations to reply to comments from the CC. In the absence of response, the file would be set aside and the approval request would be cancelled.

The proposal was adopted by the Annual Meeting. The time limitation of 6 months for testing

stations to reply to comments from the CC will be included in the 2011 version of the Codes.

16.5 Further preliminary proposals to modify the Codes [TAD/CA/T(2010)10]

This paper had been discussed in Korea at the TWG meetings. Comments were expected by 15 December 2009. It was mentioned that it would be important to have the view of the new CC.

The document was referred to the next TWG meeting for further discussion.

HARMONISATION OF THE TRACTOR CODES

17. Harmonisation between the OECD and ISO

17.2 Role of the Maintenance Agency [TAD/CA/T/RD(2009)8/REV1] and [T/AM/WD/2010/2]

Mr. Durant explained that this document had been made available for the ISO meeting in Waterloo in 2008. Further to the SC 2 committee meeting in Madrid in June 2009, it was decided to submit the document to a yes/no ballot for two months. However, this was delayed until the OECD Tractor Codes Annual Meeting in order to take into account possible discussions and comments.

The OECD Secretariat explained that comments had been received from two member countries, Austria and the UK. The UK delegate explained that their comments were based on the symmetry and accountability between the OECD and the ISO. The Austrian delegate explained that his comments intended to simplify the procedure to nominate members of the MA.

The UK suggested that the MA should have no permanent members. However, the Bureau of the OECD had discussed this issue and was in favour of having representatives of both the ISO and the OECD Secretariats in the MA as permanent members, to ensure continuity.

The UK suggested that there should be an election at the Annual Meeting of the three members of the OECD Codes that would represent the OECD in the MA. They also proposed that at least one and no more than two candidates should be members of the Bureau of the OECD Tractor Codes. The Bureau of the Tractor Codes supported the idea that a representative of the Secretariat should be member of the MA as well as two members of the Bureau (the incoming chair and the chair). After transitional arrangements, the members of the Bureau would serve for a four year term (two years as incoming chair of the tractor Codes and two years as chair of the Tractor Codes). The UK expressed its preference for a three year term instead of a four year term. But this proposal was not supported by the majority of delegates.

The UK suggested that the OECD Secretariat should not be treated as a delegate and suggested that the OECD Secretariat should be a non-voting member of the MA. However, it was explained that there should be no difference between the ISO and the OECD Secretariat representatives. The UK suggested that at least one of the candidates should not be involved in ISO. This idea was supported by the Annual Meeting.

It was also agreed that the chair of the Maintenance Agency would rotate between ISO and OECD representatives.

The UK also proposed that the first sentence in the second paragraph of point 4 b should be modified, in order to make clear that the MA is responsible for deciding whether the proposed change to a standard satisfies the criteria listed. The wording was thus changed from “The MA is responsible for evaluating the

proposed change **taking into consideration** the following criteria:” to “The MA is responsible for evaluating the proposed change **according** to the following criteria:”. The UK agreed with the proposed wording.

The MoU between OECD and ISO was signed in August 2005 for a three year period. The MoU was extended for another 3 years at the Annual Meeting of the Tractor Codes in February 2008, as shown in the Summary Record (point 17 of document [TAD/CA/T/M(2008)1/REV1]). At the 2011 Annual Meeting, delegates will be asked to review the MoU with a view to a further extension of the agreement.

”It was reiterated that no changes would be performed in the OECD Codes without prior approval by the Annual Meeting.

Delegates at the Annual Meeting supported the adoption of the revised document [TAD/CA/T/RD(2009)8/REV2] on the Maintenance Agency, including the limited changes agreed during the meeting. However, it was decided to allow some time by 2 April, for comments from the UK.

17.3 Harmonisation of Code 10 and ISO 27850 [TAD/CA/T(2010)11]

It was proposed to add statements to the introduction of the harmonized Code and its corresponding harmonized ISO standards. For the OECD harmonized Codes, the statement would read:

“The purpose of this Code is to provide an internationally harmonized testing procedure for falling object protective structures (FOPS)¹. Users of this Code are reminded that conformity with this procedure is not sufficient to satisfy all regional requirements; which may include independent third party verification requirements and specific reporting requirements.

For third party certification of the technical requirements, OECD provides a centralised approval method for tests, which grants international official recognition. More information on the OECD Codes can be obtained from the following website: <http://www.oecd.org/tad/tractor>.”

The following statement would be added to the harmonized ISO standards:

“This International Standard specifies technical performance requirements and associated test procedures. It does not cover aspects associated with the performance test reports and extension reports¹, which can be found in the technically equivalent OECD Code 10: 20xx. Technical harmonisation is ensured by the Maintenance Agency operating as specified in Annex G.

Footnote:

¹ Where conformance with this International Standard needs verification and specific reporting, only OECD provides official centralized approval method for 3rd party certification which grants international recognition. More information on the OECD certification schemes can be obtained at www.oecd.org/tad/tractor.”

It was suggested that a joint letter from the OECD Secretariat and the ISO would be sent to Casco, ISO's policy development committee on conformity assessment. The intent of this letter would be to seek their agreement on the proposed additional wording on the harmonized document. The letter would explain the

¹ In Code 4, the term FOPS would be replaced by ROPS.

rationale behind the proposed statements and the specificities of the OECD Codes and 3rd party approval system.

It was agreed that the document would be revised to include editorial comments and the additional statement inserted in the introduction. Further comments should be sent to the OECD Secretariat by 2 April. The OECD Secretariat will pass these comments to ISO. The document will be considered approved if only editorial comments are received.

17.4 Harmonisation of Code 4 and ISO 5700 [TAD/CA/T(2010)12]

The same statement would be added to the introduction as for Code 10. Further to discussions, in annex B point B 3.2.2 will be deleted and replaced by the current text of Code 4.

Delegates agreed that the document would be revised to include editorial comments. Further comments were expected by 2 April. The OECD Secretariat will pass these comments to ISO. The document will be considered approved if only editorial comments are received.

INTERNATIONAL COOPERATION

18. Proposal by CEMA to change the definition of narrow-track tractors [TAD/CA/T/RD(2010)7]

Mr. Calanca presented a request from CEMA to consider extending the definition of narrow-track tractors. In terms of mass, the upper limit is currently 3000 kg and CEMA proposed to extend the definition up to 3500 kg in order to take into account technology changes causing an increase in the mass of tractors due to additional features and new engine technologies.

Delegates agreed that further discussions need to take place at the TWG meeting and in the Scientific Working Group in order to analyse possible consequences of an increase in the mass of narrow-track tractors.

19. International developments EC, CEMA, CIGR, ISO, other Organisations

19.1 European Commission

- Mother Regulation

The European Commission is continuing its efforts to simplify and improve its internal market legislation in line with its policy on Better Regulation and on Simplification. For agricultural and forestry vehicles the objective is to replace the Framework Directive (2003/37/EC) and all separate and amending Directives, altogether some 60 documents. The EC starts this action with the creation of a 'Mother Regulation'. This has been included in the Commission's Work Programme for the year 2010.

The Mother Regulation will only provide for the legal framework by avoiding technical and administrative details. The intended simplification consists mainly in replacing detailed EU texts on test procedures, approval criteria, COP procedures and as much as possible administrative procedures by using, where possible, references to OECD Codes, UN/ECE Regulations or CEN, CENELEC or ISO standards.

Following a public consultation on the internet the proposal was discussed at meetings of the Working Group on Agricultural Tractors (WGAT) in 2009 – composed by representatives of the Member States Authorities and other stakeholders. It is intended to submit the final proposal as prepared by DG Enterprise to the Commission College in the 2nd quarter of 2010 for approval. Afterwards, the proposal will be forwarded to the EU Council and the European Parliament for discussion and adoption following the co-decision procedure. After the adoption of the Mother Regulation the further administrative and technical acts will be prepared.

From a procedural point of view it is relevant that these implementing acts will be adopted in "Comitology". Following a positive opinion delivered by Member States a proposal can be adopted by the Commission College.

- Braking

It is the Commission's intention to include in this process also the proposal to update and complete the existing requirements on braking. The proposal has been on the agenda for a long time and a number of issues need final agreement, like the introduction of a requirement for anti-lock braking for fast tractors (T5). Later in 2010 an Impact Analysis will be performed regarding that question. Following this and the political agreement by Council and Parliament on the Mother Regulation the proposal can be adopted in Comitology.

- In addition, further proposals are under way:

- to update the references to the latest versions of the OECD Codes in our existing Directives. This proposal has been accepted during the Comitology process. Formal adoption by the Commission College is expected soon and the publication as an amending Directive.

- to allow manufacturers a larger 'flexibility' at the entry into force of Stage IIIB emissions requirements by allowing them to sell a defined number of vehicles still complying with the old limit values only.

- a similar proposal is under discussion to take care of problems which manufacturers of narrow-track tractors are facing to deal with the coming requirements for the so-called Stage IIIB emission limits;

- to complete the EU type-approval for category T4.3 tractors. The proposal received a positive opinion from Member States in February 2010. Following the finalisation of the administrative provisions, formal adoption by the Commission College is expected within the coming 4 months.

- to eliminate the overlap between EU Directives for Machinery (2006/42/EC, entered into force in December 2009) and tractors by introducing, for tractors, requirements relating to occupational safety on subjects like protection against contact with hot surfaces, protection against hazardous substances, roll-over protection for passengers, protective structures against falling objects, operators protection structures, operators manual. This proposal received as well a positive result in the Commission's legislative Committee.

19.2 CEMA

1. Mr. Calanca reported that the proposal to increase the maximum mass of narrow-track tractors was a priority for CEMA. The organisation hoped that a solution could be reached by the next annual meeting.

19.3 ISO

- 35 ISO standards had been published which belong to ISO/TC23/SC2. ISO/TC23/SC2 is in charge of common tests in the field of activity of tractors and machinery for agriculture and forestry. Among these 35 ISO standards, one standard had been published under harmonization with OECD, i.e. ISO/OECD 789-10:2006 "Agricultural tractors -- Test procedures -- Part 10: Hydraulic power at tractor/implement interface".

- There were 3 active projects under study in SC2 at the time of the meeting, plus one new work item (NWI) in progress of balloting (end of new work item proposal enquiry is 2010-02-25). Among these 4 projects, 3 are under harmonization process with OECD, i.e. :

- ISO/OECD DIS 27850 "Tractors for agriculture and forestry -- Falling object protective structures -- Test procedures and performance requirements" : DIS ballot was in progress until 2010-05-24. This subject was in OECD draft agenda item 17.3

- ISO/OECD CD 5700 "Tractors for agriculture and forestry -- Roll-over protective structures (ROPS) -- Static test method and acceptance conditions". The CD enquiry was completed in ISO/TC23/SC2 and this project was approved to progress to DIS stage. This subject would be discussed in TC23/SC2 plenary meeting which will be held in Afnor's building on 2010-02-25 am. This subject was also in OECD draft agenda item 17.4

- ISO/OECD NP 3776-2 "Tractors and machinery for agriculture -- Seat belts -- Part 2: Anchorage strength requirements". This NWIP enquiry is in progress in ISO/TC23/SC2, and will be closed on 2010-02-25. This subject was also in OECD draft agenda item 17.5

- There were also 3 preliminary work items in ISO/TC23/SC2 which could be part of future work on harmonization with OECD:

- ISO/OECD NP 789-2 "Agricultural tractors -- Test procedures -- Part 2: Rear three-point linkage lifting capacity"

- ISO/OECD NP 789-9 "Agricultural tractors -- Test procedures -- Part 9: Power tests for drawbar"

- ISO/OECD NP 789-12 "Agricultural tractors -- Test procedures -- Part 12: Low temperature starting"

No work had been started yet on these 3 above preliminary work items in ISO/TC23/SC2

Mr. Sauvage suggested during the OECD meeting to consider the possibility to organize common ISO/TC23/SC2/WGs and OECD/TWG meetings to discuss comments completed on harmonized ISO and OECD projects.

20. National developments on testing and approval matters [T/AM/WD/2010/3]

The Chair gave delegations the opportunity to add further comments to their reports.

In Korea, the Rural Development Administration founded 'The Foundation of Agricultural Technology Commercialization and Transfer' (FACT) which officially started working on 7 September 2009. After taking over the required aspects including personnel, testing site, testing equipment, measurement and reporting from NAAS(or NIAE) in R.D.A., FACT is now performing the role of National OECD Testing Station instead of NAAS(or NIAE) in R.D.A., while the NAAS (NIAE) is still acting as National Designated Authority.

Italy presented several short movies designed to raise farmers' awareness about safety issues. Mr. Liberatori informed delegates that the GAS (Global Agricultural Safety) forum would take place in Rome on 24 September 2010 and that application and request for information could be made online: <http://www.gasforum.eu/home.html>

ITEMS FOR ADOPTION

21. Meetings Schedule for 2010

The Secretariat proposed to hold two meetings of the TWG in 2010. The first meeting will be held on 29-30 June in Antalya, Turkey and the second TWG in will take place in early November in Taormina, Sicily, Italy.

The Secretariat proposed to hold the 2011 Annual Meeting in the OECD headquarters in Paris on 24-25 February 2011. The OECD Secretariat welcomes proposals to host the next Test Engineers Conference in 2011-12 and to host the 2011 TWG meetings.

22. Confirmation of Decisions

For each of the item discussed, the Secretariat prepared a list of decisions agreed by the Annual Meeting. The list was submitted to participants and was confirmed by all delegates.

23. Other business

No other issues were raised by the delegates.

The OECD Secretariat thanked Cemagref for its work as the OECD CC for many years. The new CC, Enama, was also congratulated for having won the tender and wished the team good luck for the challenges that lie ahead. Mr. Ryan thanked all delegates for their participation in the Annual Meeting, OECD colleagues, the interpreters and the Chair, Mr. Hoy. The meeting was adjourned.

2010 Annual Tractor Meeting

**OECD Headquarters, Paris
23-24 February 2010**

Final List of Participants

National Designated Authorities

Allemagne/Germany

Mr. Heinz ROETHEMEYER
Dipl. Ing.
DLG- Test Centre Technology and Farm Inputs
DLG-Testzentrum, Technik & Betriebsmittel
Max-Eyth-Weg 1
64823 Gross-Umstadt
Germany

Tel: +49-69-24-78-86-45
Fax: +49-69-24-78-86-90
Email: H.Roethemeyer@dlg.org

Mr. Thilo KEUNECKE
Dipl.-Ing. (FH) agr.
DLG Testzentrum Technik und Betriebsmittel
DLG Test Centre Technology and Farm Inputs
Max-Eyth-Weg 1
64823 Gross-Umstadt
Germany

Tel: 49 69 24 788 644
Fax: 49 69 24 788 690
Email: T.Keunecke@dlg.org

Mr. Joachim HACKER
First Counsellor
Permanent Delegation
9, RUE MASPERO
75116 Paris
France

Tel: +33 1 55 74 57 09
Email: joachim.hacker@diplo.de

Autriche/Austria

Mr. Herbert LAMPEL
Head of Testing Department
Francisco Josephinum in Wieselburg
HBLFA-BLT -- Höhere Bundeslehr- und Forschungsanstalt für
Landwirtschaft, Landtechnik und Lebensmitteltechnologie
BLT - Biomass Logistic Technology
Rottenhauserstr.1
P.O. Box 10
AT-3250 Wieselburg
Austria

Tel: +43.7416.52175.39
Fax: +43.7416.52175.45
Email: Herbert.Lampel@josephinum.at

Belgique/Belgium

Dr. Olivier MISERQUE
Research Assistant
Agricultural Engineering Department
Agricultural Research Centre
Bâtiment Francini
Chaussée de Namur, 146
5030 Gembloux
Belgium

Tel: +32.(0) 81.627.140
Fax: +32.(0) 81.615.847
Email: miserque@cra.wallonie.be

Chine/China

Mr. Li LE CHEN
Deputy Director
COTTEC - Luoyang Tractor Research Institute
Xiyuan Road 39
471039 Luoyang City – Henan Province
People's Republic of China

Tel: +86.379.626 90 095
Fax: +86.379.62690 350
Email: cottec.oecd@vip.163.com

Mr. Ren YUE GUANG
Senior Engineer
COTTEC - Luoyang Tractor Research Institute
Xiyuan Road 39
471039 Luoyang City – Henan Province
People's Republic of China

Tel: +86.379.626 90 095
Fax: +86.379.626 90 350
Email: cottec.oecd@vip.163.com

Chine/China
(Continued)

Mr. Jianwu SONG
Deputy Director
Department of Agricultural Mechanization, MOA
NO. 11 Nongzhanguan Nanli
Chaoyang District
100125 Beijing
People's Republic of China

Tel: +86.10.59192820
Fax: +86.10.59192876
Email: njhcyc@agri.gov.cn

Mr. Qinghou WANG
Engineer
China Agricultural Machinery Testing Centre, Ministry of Agriculture
No. 96 Dongsanhuan nanlu
100122 Beijing
People's Republic of China

Tel: +86 10 673 43 726
Fax: +86 10 673 43 754
Email: CAMTC-DEP2@163.com

Miss Xinxin ZHENG
Official
CNCA - Certification and Accreditation Administration of the People's
Republic of China
9 Madian East Road,
Haidian District,
Beijing
People's Republic of China

Tel: +86.10.8226.2739
Fax: +86.10.8226.0819
Email: zhengxx@cnca.gov.cn

Corée/Korea

Mr. Hyuck-Joo KIM
Researcher
Agricultural Automation Division
National Academy of Agricultural Science (NAAS)
Rural Development Administration (RDA)
Department of Agricultural Engineering
159, Suin-ro, Suwon-si
Gyeonggi-do
Korea

Tel: +82.31.290.1867
Fax: +82.31.290.1860
Email: agrihj@korea.kr

Corée/Korea
(Continued)

Mr. Seonglim JEONG
Senior Researcher
Foundation of Agr. Tech.
Commercialization and
Transfer
Agr. Machinery Test Team
211-2, Seodun-dong, Suwon-
si,
Gyeonggi-do, 441-857
Korea

Tel: 82.31.290.1952
Fax: 82.31.290.1965
Email: jeongsr@efact.or.kr

Danemark/Denmark

Mr. Krister PERSSON
Senior Scientist
Aarhus University
University of Aarhus
Faculty of Agricultural Sciences
Engineering Centre Bygholm
Test & Development
Schüttesvej 17-21
P.O. Box 140
DK 8700 Horsens
Denmark

Tel: +45 20 68 41 75
Email: krister.persson@agrsci.dk

Espagne/Spain

Mr. José Luis PONCE DE LEÓN
Director of EMA
Estacion de Mecanica Agricola - EMA
Carretera Madrid-Toledo, km 6,8
28916 Madrid
Spain

Tel: +34 91 341 90 14
Fax: +34 91 341 82 95
Email: jlponce@marm.es

États-Unis/United States

Mr. Michael LYONS
Project Engineer
Chair, US OECD Coordinating Committee
CNH America LLC
6900 Veterans Blvd.
60527-7111 Burr Ridge
United States

Tel: +1 630 887 3068
Email: michael.lyons@cnh.com

Dr. Roger HOY
Professor and Director
Biological Systems Engineering Department
Nebraska Tractor Test Laboratory
245 L.W. Chase Hall
P.O. Box 830726
NE 68583-0726 Lincoln
United States

Tel: +1.402.472.2442 (BSE)
Fax: +1.402.472.63.38
Email: rhoy2@unl.edu

Mr. Doug DURANT
Manager Product Standards, Global Agricultural Tractors Strategic
Standards Coordinator
Chair, ISO/TC23/SC2
John Deere
Product Engineering Center
PO Box 8000
50704-8000 Waterloo, Iowa
United States

Tel: +1 319-292-8523
Fax: +1 309-749-3408
Email: DurantDouglasM@johndeere.com

Mr. David MURRAY
Engineering Manager - Products
AGCO Corporation
420 West Lincoln Blvd.,
P.O. Box 4100
67062-2000 Hesston
United States

Tel: +1 620 327 5513
Fax: +1 620 327 5627
Email: dave.murray@agcocorp.com

États-Unis/United States
(Continued)

Ms. Margaret HAWLEY-YOUNG
Advisor for Trade Policy and Agriculture
Permanent Delegation
12, Avenue Raphaël
75016 Paris
France

Tel: +33 1 45 24 74 66
Fax: +33 1 45 24 74 84
Email: hawley-youngm@state.gov

Finlande/Finland

Mr. Lauri TUUNANEN
M. Sc. in Technology
MTT Agrifood Research Finland - Agricultural Engineering Research
MTT Agrifood Research Finland
Vakolantie 55
03400 Vihti
Finland

Tel: +358 9 2242 5230
Fax: +358 9 224 6210
Email: Lauri.Tuunanen@mtt.fi

France

M. Dominique DUFUMIER
Chef du bureau santé et sécurité au travail
Secrétariat Général
Ministère de l'Alimentation, de l'Agriculture et de la Pêche
Service des affaires financières, sociales et logistiques
78 rue de Varenne
75349 Cedex 07 Paris
France

Tel: 33 (0) 1 49 55 82 17
Fax: 33 (0) 1 49 55 80 25
Email: dominique.dufumier@agriculture.gouv.fr

M. Bruno BANAS
Ingénieur divisionnaire de l'agriculture
Chargé d'études - Secrétariat Général
Ministère de l'Alimentation, de l'Agriculture et de la Pêche
Service des affaires financières, sociales et logistiques
Bureau de la santé et de la sécurité au travail
78 rue de Varenne
75349 Cedex 07 Paris
France

Tel: 33 (0) 1. 49.55.54.67
Fax: 33 (0) 1 49 55 80 25
Email: bruno.banas@agriculture.gouv.fr

France
(Continued)

M. Thierry LANGLE
Head of Testing Station
TSAN Unit
(Technologies for Agroequipments Safety and Performance
Research Unit)
Cemagref
Parc de Tourvoie
B.P. 44
92163 Antony Cedex
France

Tel: 33.1.40.96.61.58
Fax: 33.1.40.96.61.63
Email: thierry.langle@cemagref.fr

M. Frédéric VIGIER
Head of TSAN Unit
(Technologies for Agroequipments Safety and Performance
Research Unit)
Cemagref
Parc de Tourvoie
B.P. 44
92163 Antony Cedex
France

Tel: +33.1.40.96.61.54
Fax: +33.1.40.96.61.63
Email: frederic.vigier@cemagref.fr

M. Emmanuel HUGO
Head of Research unit Technologies and information systems
for agrosystems
Cemagref
24 avenue des Landais
B.P. 50065
63172 Aubière Cedex
France

Tel: +33.(0).4.73.44.06.56
Fax: +33.(0).1.4.73.44.06.97
Email: emmanuel.hugo@cemagref.fr

France
(Continued)

Mme Nadjat DJOUMMAD
Technical Assistant
TSAN
Parc de Tourvoie B.P. 44
92163 Antony cedex
France

Tel: +33.1 40 96 65 48
Fax: +33.1.40.96.61.63
Email: nadjat.djoummad@cemagref.fr

Italie/Italy

Mr. Sandro LIBERATORI
Director of ENAMA
Italian Agency for Agricultural Mechanization
ENAMA
Via Venafro 5
00159 Rome
Italy

Tel: 00.39.06.40.86.00.27-30
Fax: 00.39.06.40.76.264
Email: sandro.liberatori@enama.it

Mr. Eugenio CAVALLO
Researcher
CNR (National Research Council)
Institute for Agricultural and Earth-moving Machinery (IMAMOTER)
Italian National Research Council (CNR)
Strada delle Cacce, 73
10135 Torino
Italy

Tel: 39.011.39.77.724
Fax: 39.011.34 89 218
Email: e.cavallo@imamoter.cnr.it

Mrs. Valda RONDELLI
Researcher
University of Bologna
Department of Agricultural Economics and Engineering
Via G. Fanin 50
40127 Bologna

Tel: +39 051 76 66 32
Fax: +39 051 76 53 18
Email: valda.rondelli@unibo.it

Italie/Italy
(Continued)

Mr. Maurizio CUTINI
Researcher
CRA-ING
Via Milano 43
24047 Treviglio (BG)
Italy

Tel: 39.03.634.96.03
Fax: 39.03.634.96.03
Email: maurizio.cutini@entecra.it

Mr. Domenico PESSINA
Professor
Department of Agricultural Engineering, University of Milan
Via Celoria, 2
20133 Milan
Italy

Tel: 00.39.02.50.31.68.76
Fax: 00.39.02.50.31.68.45
Email: domenico.pessina@unimi.it

Japon/Japan

Mr. Yasuro SUGIURA
Chief of Transplanter, Sprayer and Harvester Testing Division
IAM-BRAIN
Institute of Agricultural Machinery
Bio-Oriented Technology Research Advancement Institution
1-40-2 Nisshin-cho
Kita-ku, Saitama-shi
Saitama
Japan

Tel: 81.48.654.7000
Fax: 81.48.654.7135
Email: sugiura.yasuro@affrc.go.jp

Mr. Hiroyuki TAKAHASHI
Vice Director of Testing and Evaluation Department
IAM-BRAIN
Institute of Agricultural Machinery
Bio-Oriented Technology Research Advancement Institution
IAM-BRAIN, Institute of Agricultural Machinery
1-40-2 Nisshin-cho, Kita-ku Saitama-City
Saitama
Japan

Tel: +81 48 654 7000
Fax: +81 48 654 7135
Email: hiroyuki.takahashi@affrc.go.jp

Pologne/Poland

Mr. Piotr PASYNIUK
Manager of Scientific Laboratories
Institut of Technology and Life Sciences
Warsaw Branch
Ul.Rakowiecka 32
02-532 Warsaw
Poland

Tel: +48 22 54 21 100
Fax: +48 22 54 21 150
Email: ppas@data.pl

Portugal

M. Manuel FUNENGA
Ingénieur Agronome, Département de Mécanisation
DGADR - Direccao Geral de Agricultura e Desenvolvimento Rural
Av. Afonso Costa, 3
1949-003 Lisbon
Portugal

Tel: +351 21 844 23 62
Email: mfunenga@dgadr.pt

**République Tchèque/
Czech Republic**

Mr. Peter PERNIS
Company Director
SZZPLS
Tranovskeho 622/11
163 04 Praha 6 - Repy
Czech Republic

Tel: 420.235.018.235
Fax: 420.235.315.226
Email: pernis@szzpls.cz

**Royaume-Uni/
United Kingdom**

Mr. Steve GILLINGHAM
Head, Commercial Vehicles and Regulation
Transport Technology and Standards Division
Department for Transport (DfT)
Zone 2/01, Great Minster House
76 Marsham Street
SW1P 4DR London
United Kingdom

Tel: +44 20 79 44 20 75
Fax: +44 20 79 44 21 96
Email: steve.gillingham@dft.gsi.gov.uk

**Royaume-Uni/
United Kingdom**
(Continued)

Mr. Edward FOREMAN
Type Approval Engineer
VCA Midlands
VCA Midlands Watling Street
CV10 0UA Nuneaton
United Kingdom

Tel: +44(0)2476642782
Email: edward.foreman@vca.gov.uk

Serbie/Serbia

Mr. Vaso LABOVIC
Director - Head of Delegation
Association of Manufacturers of Tractors
and Agricultural Machinery
in Serbia
Makenzijeva str. 79/II
Belgrade
Serbia

Tel: +381.11.2457.135
Fax: +381.11.24.58.844
Email: udruipm@bitsyu.net

Dr. Lazar SAVIN
Docent/Technical laboratory Director
Laboratory for power machines and tractors
Faculty of Agriculture
University of Novi Sad
Dositeja Obradovica Sq. 8
21000 Novi Sad
Serbia

Tel: +381.21.4853.256
Fax: +381.21.459.989
Email: savlaz@polj.uns.ac.rs

Turquie/Turkey

Mr. Ibrahim ERGUL
Test Engineer - Quality Manager
Directorate of Agricultural Equipment and Machinery Test Center
Ministry of Agricultural and Rural Affairs
Tarım Alet ve Makinaları Test Merkezi Müdürlüğü
istanbul yolu 5. km tarım kampüsü
06170 Yenimahalle/Ankara
Turkey

Tel: +90 (312) 3156574
Fax: +90 (312) 3150466
Email: iergul@tamtest.gov.tr

Turquie/Turkey
(Continued)

Ms. Ayse KESKINKILIC
Commercial Counsellor (Trade, agriculture, competition,
fisheries, consumer policy)
Permanent Delegation
9, rue Alfred Dehodencq
75116 Paris
France

Tel: +33 1 42 88 50 02
Fax: +33 1 45 27 28 24
Email: ayse.keskinkilic@mfa.gov.tr

CE/EC

Mr. Wolfgang SCHNEIDER
Principal Administrator
European Commission
DG Enterprise and Industry
FA/Automotive Industry
Avenue d'Auderghem, 45
BREY 10/26
BE-1049 Brussels
Belgium

Tel: +32.2.296.52.60
Fax: +32.2.296.96.37
Email: wolfgang.schneider@ec.europa.eu

Mr. Pieter HOEKSTRA
Desk Officer (Seconded National Expert)
European Commission
DG Enterprise and Industry
Avenue d'Auderghem, 45
BE-1049 Brussels
Belgium

Tel: +32.2.298. 20.04
Fax: +32.2.296.96.37
Email: pieter.hoekstra@ec.europa.eu

Observer Country

Bulgarie/Bulgaria

Mr. Georgi POPOV
Testing and Research Manager
Agricultural and Forest Machinery Test Centre - Ruse
94 Tutrakan Str.
Ruse 7000 p.b. 370
Bulgaria

Tel: +359.889.33.40.51
Fax: +359.82.842.094
Email: g.popow@mail.bg

Mrs. Diana STEFANOVA
Senior Lecturer
Agricultural and Forest Machinery Test Centre - Ruse
94 Tutrakan Str.
Ruse 7000 p.b. 370
Bulgaria

Tel: +359.878.372.307
Fax: +359 82 842094
Email: dstefanova@ru.acad.bg

International Organisations

CEMA

Mr. Sergio CALANCA
Homologation Manager
CEMA / CNH
CNH Italia Spa
Viale Delle Nazioni, 55
41100 Modena
Italy

Tel: +39.335.576.2114
Email: sergio.calanca@cnh.com

Organisation internationale de normalisation/International Organization for Standardization (ISO)

Mr. Stéphane SAUVAGE
Technical Programme Manager
ISO Central Secretariat
1, ch. de la Voie-Creuse
Case postale 56
CH-1260 Genève 20
Switzerland

Tel: +41 22 749 72 77
Fax: +41 22 749 73 49
Email: sauvage@iso.org

Mrs. Sally SEITZ
TC23/SC2 Secretary
ANSI - American National Standards Institute
ISO
25 West 43rd Street, 4th Floor
NY 10036 New York
United States

Tel: 00.1.212.642.49.18
Fax: 00.1.212.840.22.98
Email: SSeitz@ansi.org

OECD Secretariat

OCDE/OECD

Mr. Wayne JONES
Head of Division
TAD/ATM
OECD
Marshall Building 5113
2 rue André-Pascal
75016 Paris
France

Tel: +(33-1) 45 24 78 74
Fax: +33 1 45 24 78 34
Email: Wayne.JONES@oecd.org

Mr. Michael RYAN
Head of Unit
TAD/COD
OECD
Marshall Building 5061
2 rue André-Pascal
75016 Paris
France

Tel: +(33-1) 45 24 85 58
Fax: +33 1 44 30 61 17
Email: Michael.RYAN@oecd.org

Mme Marion LALISSE
Junior Administrator
TAD/COD
OECD
Marshall Building 5063
2 rue André-Pascal
75016 Paris
France

Tel: +(33-1) 45 24 15 40
Email: Marion.LALISSE@oecd.org

OCDE/OECD
(Continued)

Mme Sophie BOISSONNADE
Administrative assistant
TAD/COD
OECD
Marshall Building 5087
2 rue André-Pascal
75016 Paris
France

Tel: +(33-1) 45 24 17 73
Email: Sophie.BOISSONNADE@oecd.org

Mme Isabelle BRAUD
Assistant to Head
TAD/COD
OECD
Marshall Building 5069
2 rue André-Pascal
75016 Paris
France

Tel: +(33-1) 45 24 95 13
Email: Isabelle.BRAUD@oecd.org

Mr. Simon GREGG
Assistant
TAD/COD
OECD
Marshall Building 5069
2 rue André-Pascal
75016 Paris
France

Tel: +(33-1) 45 24 80 40
Email: Simon.GREGG@oecd.org

Co-ordinating Centre

Dr. Carlo CARNEVALI
Head OECD Co-ordinating Centre
ENAMA, Ente Nazionale per la Meccanizzazione Agricola
Via Venafro, 5
00159 Rome
Italy

Tel: +39.06.40.86.00.27 - 30
Fax: +39.06.40.76.264
Email: carlo.carnevali@enama.it

Mr. Silvio ANGELELLI
OECD Co-ordinating Centre
ENAMA, Ente Nazionale per la Meccanizzazione Agricola
Via Venafro, 5
00159 Rome
Italy

Tel: +39.06.40.86.00.27 - 30
Fax: +39.06.40.76.264
Email: silvio.angelelli@enama.it

Ms. Giovanna TISO
IT Professional
OECD Coordinating Centre
ENAMA, Ente Nazionale per la Meccanizzazione Agricola
Via Venafro, 5
00159 Rome
Italy

Tel: +39.06.40.86.00.27.30
Fax: +39.06.40.76.264
Email: G.Tiso@almavivaitalia.it