

ISO/IEC JTC 1/SC 32 N 2304

Date: 2013-01-31

REPLACES: _____

ISO/IEC JTC 1/SC 32

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Secretariat: United States of America (ANSI)
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DOCUMENT TYPE	Disposition of Comments
TITLE	Disposition of comments on 32N2141 CD 15944-9 Information technology - Business operational view Part 9:Open-edi traceability framework
SOURCE	WG1 - Wenfeng Sun - project editor
PROJECT NUMBER	1.32.31.01.09.00
STATUS	Disposition of the comments in 32N2166 (SoV on CD 15944-9 ballot 32N2141). This accompanies 32N2303 CD2 15944-9 sent to NBs for letter ballot.
REFERENCES	
ACTION ID.	FYI
REQUESTED ACTION	
DUE DATE	
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Dr. Timothy Schoechle, Secretary, ISO/IEC JTC 1/SC 32
Farance Inc *, 3066 Sixth Street, Boulder, CO, United States of America
Telephone: +1 303-443-5490; E-mail: Timothy@Schoechle.org
available from the JTC 1/SC 32 WebSite <http://www.jtc1sc32.org/>
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1	2	(3)	4	5	(6)	(7)
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CA00	all	all	ge/te	<p>1. Canada votes Disapprove with comments.</p> <p>2. Canada fully supports this project. The numerous Canadian technical and editorial comments below are directed at addressing current defects as well as improving and progressing this standard.</p> <p>3. Canada appreciates the work of the Project Editor in developing this CD ballot document.</p> <p>4. In the preparation of its ballot comments, Canada has identified a number of issues that need to be addressed in the further development of Part 9. For some of these Canada has provided comments and proposed changes in the form of "Attachments" to these Canadian ballot comments.</p> <p>5. Canada regrets that constraints on resources, the comments made below are not as complete and thorough as Canada would have liked to be able to present.</p>	<p>1. There are technical comments to be resolved and their successful resolution will result in Canada changing its vote to approve for the further progressing of this standard.</p> <p>2. Canada recommends that given the number and nature of its comments, a draft 2nd CD or a draft DIS stage document for Part 9 is required. Such a draft document would apply the results of the CRM on the CD ballot document 32/N2141 and be made available to SC32/WG1 experts at least two months prior to the SC32/WG1 Berlin Plenary May/June, 2012 meeting.</p> <p>the results of the Berlin meeting will provide the added input instructions for the Project Editor necessary for the successful completion of this project as an IS standard.</p> <p>3. The Attachments at the end of this Canadian ballot comment document form an integral part of this CDN ballot comment document. These Attachments come from various sources. Time and resource constraints of CDN experts did not allow for full integration of the issues identified and dealt with in the Attachments. Consequently, the text in some of the attachments may be addressing similar issues, even if in a different context or perspective.</p>	Accept
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CA01	all	all	ge/te	<p>Traceability refers to completeness of the recorded information about a process chain. It is important to have a clear focus for this Traceability Framework standard. Clause 1.2 Exclusions identifies "metrology", i.e., measurement as being excluded. However, "traceability" also applies to "logistics", "materials", "supply chain", "software", industry sectors such as "coffee", or "diamonds", (e.g., "fair trade", "blast processing", "food processing", "organ donation, "wines, "archiving/museums" as pertinent to "provenance; etc.</p> <p>It is Canada's understanding is that the focus of this Part 9 Traceability Framework is that in support of "commitment exchange" among parties to a business transaction.</p> <p>If so, Canada fully supports such an approach and focus to the further development and completion.</p> <p>Many of Canada's comments below are based on this assumption.</p>	Canada requests SC36/WG1 to discuss and decide on this issue at the CD ballot resolution meeting in Crete. Here text in Col. 5, can serve as the basis for a paragraph in Clause 0.n.	Accept as amended, 1. The focus is to use these as implementation examples of generic aspects of traceability framework. 2. Metrology should be excluded because it does not pertain to goods, services or rights, or any other form of business transaction/ commitment exchange.
CA02	all	all	ge/te	<p>As a key element of traceability is that of ensuring completeness of the recorded information about every step in a process chain, then there needs to be a link to ISO 9000s quality standards which deal with quality and documentation aspects in a (any) process chain.</p> <p>Therefore consideration needs to be given to maximizing use of existing ISO 9000 standards</p>	<p>1. To be discussed further and decided upon linkage to the multipart ISO 9000 standard.</p> <p>2. In Attachment A below, Canada provides some introductory text, an illustrative figure and associated draft rules in support of such an approach.</p> <p>3. In support of such an approach Canada,</p>	Accept as amended 1. Project editor to consider in preparation of CD2 draft the ISO 9000n standards which require documentation of completion of steps in a process relevant to

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**Comments on ISO/IEC CD 15944-9 Information technology - Business Operational View - Part 9:
Open-edi traceability framework**

Date: 2011-9-7

Document: **ISO/IEC CD 15944-9**

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				where these may be applicable.	recommends that SC32/WG1 pass a resolution requesting its SC32 Secretariat to provide its experts it with copies of the existing most recent editions of the Parts of ISO 9000. 4. Canada requests SC32/WG1 (and SC32 Secretariat) to verify its liaisons with ISO TC176 and ensure that SC32/WG1 has such a liaison, if it does not already have such a liaison then it should, establish a direct liaison to ISO TC176. This is required to support a decision by SC32/WG1 to use ISO 9000 standards as Normative References as and where applicable in Part 9 development.	development of part 9. 2. WG1 to draft a resolution in its crete meeting requesting SC32 secretariat to provide the ISO 9000 standards to the project editor. 3. WG1 to nominate Wenfeng Sun as the liaison to TC 176 and have the resolution in Berlin meeting.
CA03	all	all	ed	Referencing ISO standards. There are many instances throughout the document as well as in Clause 2 that the date and/or edition referenced for an ISO standard needs to be updated to reflect the current version. For example, references to ISO/IEC 14662 should be ISO/IEC 14662:2010 (3 rd ed. E/F).	Project Editor requested to update references to ISO standards.	Accept For WG1 source standard no date is necessary. For normative references of other sources of standard, dated reference is necessary.
CA04	all	all	ed	Need for 4 line spacing for new Clauses or sub-clauses. Canada notes that where a sub-clause is introduced there is a line space (or two line space) missing. Examples here include	Project Editor requested to apply.	Accept

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				(a) line 159 clause 0.1.1 (b) line 205 Clause 0.1.2 (c) line 351 Clause 5.4 etc.		
1 US	All elements		ed	This comment documents an editorial review	Editorial comments provided in editable version (.doc) attached.	Accept US comments have been integrated into this ballot comment document.
JP	all	-	ge	It looks two descriptive rules for expressing rules and guidelines. One is a rule or guideline then descriptive paragraphs, e.g. line 1336~1342, rule “Unambiguous identification ...” The other is descriptive paragraphs then a rule or guideline, e.g. line 1648~1659, rule “For any business transaction ...”	To decide a rule and modify document.	Accept Rules (or guidelines) to precede descriptive paragraph, examples, etc.
JP	0.1.2	Line 201~261	te	This sub-subsection 0.1.2 has no sentence related traceability and describes summary of ISO/IEC 15944 part 1 only.	To eliminate this sub-subsection.	Accept as amended Project editor to add text to indicate focus of generic part 1 figure 3 integrated view related to part 9 traceability focus and shade ‘clouds’ accordingly. See further CA05

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JP	0.2	Line 261~319	te	This subsection 0.2 has no sentence related traceability and describes summary of “Person” defined in ISO/IEC 15944 part 1 only.	To eliminate this sub-subsection.	Accept as amended Project editor to change text to reference clause 0.2 in part 5 and add text related to traceability in part 9. See further CA05
JP	0.3	Line 320~345	te	This subsection 0.3 has no sentence related traceability.	To add descriptive sentences that relationship between terms and definitions related traceability and that of Open-edi defined in other parts of ISO/IEC 15944.	Accept WG1 to review the text in draft CD2 in Berlin meeting See further CA05
JP	0.4	Line 346~385	te	This subsection 0.4 has no sentence related traceability.	To add descriptive sentences that relationship between rules related traceability and that of Open-edi defined in other parts of ISO/IEC 15944.	Accept WG1 to review the text in draft CD2 in Berlin meeting See further CA05
JP	0.4	Line 377~379	te	These sentences describe notation of rules and guidelines in an inappropriate section.	To move them into chapter 5.	Accept See clause 6.1.2 in part 1.
JP	0.5	Line 386~	te	This subsection 0.5 has no sentence related traceability and describes summary of “jurisdictional domain” and “jurisdiction” defined in ISO/IEC 15944 part 1 only.	To eliminate this sub-subsection.	Accept as amended Project editor to add sentence related to traceability. See further CA05
JP	0.6	Line 401~428	te	This subsection 0.6 has no sentence related traceability and describes summary of “identifier” defined in ISO/IEC 15944 part 1	To eliminate this sub-subsection.	Accept as amended Project editor to add sentence related to traceability

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				only.		See further CA05
CA05	0.7	lines 437-446	te/ed	The text in Clause 0.7 needs to be revised to take into account the more precise purpose for Part 9 Traceability Framework to focus on traceability of various aspects of commitment exchange among parties to a business transaction.	SC32/WG1 requested to discuss and decide.	Accepted In context of CA00, project editor to reorganize introduction, revise clause 0.7, make it clause 0.1 or 0.2 and address resolution of JP comments in this matter.
CA06	0.7	line 444	ed	Change "top-bottom" to "top-down".	Project Editor requested to implement.	Accept
CA07	0.7	lines 444-446	te/ed	In light of Canadian comments on Part 9 focussing on traceability aspects of commitment exchange, initial revised draft replacement text here could be as follows" "This Part of ISO/IEC 15944 adopts a top-down approach for an Open- edi based traceability framework for commitment exchange, and associated accountabilities, among parties to a business transaction. As such, it will assist implementers and standards developers to consider and support traceability requirements in business operational view context, including external constraints of jurisdictional domains in e-commerce, e-logistics, e-learning, e-medicine, e-government, etc."	Project Editor requested to consider. SC32/WG1 requested to discuss and decide.	Accept Project editor to use this draft text as input into revised clause 0.7, base on resolution of CA05.
CA08	0.8	lines 447-7-449	ed	Canada looks forward to the Project Editor completing some/much of this text in the preparation of the CD2 document for this Part 9.	Project Editor requested to consider.	Accept

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CA09	1	all	ed	The use of sub-sub-clauses should be minimized. Current sub-clauses 0.1.1, 0.1.2, etc., are not sub-clauses of Clause 0.1 but of Clause 0. They should be re-numbered accordingly, i.e., as Clause 0.1, 0.2, etc.	Project Editors requested to implement and apply this principle in development of the draft 2 nd CD or draft DIS document.	Accept Project editor is requested to apply where applicable.
CA10	1.1	lines 454-475	te	On the whole, Canada supports the text of this proposed scope statement. However, it needs to be "tweaked" to focus on traceability aspects of "commitment exchange". One initial solution would be to insert the following draft text between lines 457-458 to read as follows: "The focus of this Traceability Framework standard is that of commitment exchange among parties to a business transaction".	Project Editor requested to consider. SC32/WG1 to discuss and draft added text at the Crete meetings.	Accept Project editor is requested to redraft clause 0 and clause 1, and submit the draft text to other WG1 experts, e.g. Steve, Bill for consideration.
JP	1.1	Line 468~469	te	This itemized sentence describes broad scope to provide templates for this part 9 because it has no phrase of traceability.	To add phrase "for traceability" after "templates."	Accept Line 474, 475
CA11	1.2.3	lines 503-509	te/ed	It is important to note other areas of traceability besides metrology may also need to be "excluded." See further CA01 above.	SC32/WG1 to discuss and decide.	Accept as amended Resolved as CA01 and CA02
JP	1.3	Line 505~509	te	The scope of "IT-system environment neutrality" is unclear to relate traceability as scope of part 9 or general scope of ISO/IEC	To add descriptive sentences for relation of traceability or merge this paragraph into subsection 1.1 as general scope of ISO/IEC	Accept as amended Add the descriptive sentence of the relation to traceability

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				15944.	15944.	
CA12	2	lines 522-545	te/ed	In light of Canada comment above, relevant ISO 9000s standards need to be added here.	SC32/WG1 to identify and discuss the ISO 9000s standards which are relevant to further development of Part 9.	Accept
JP	3.1	Line 546~548	te	This NOTE makes the definition ambiguous.	To eliminate it or modify the definition including meaning of NOTE sentences.	Not accept 1. This is an existing ISO definition. Project editor is requested to provide the reference to ISO/IEC 15944-1: 2011(3.1) 2. changes to NOTEs in existing ISO standards should be requested in relation to the specific standard referenced.
CA13	3	lines 550-1058	te/ed	1. Clause 3 contains a number of entries which are not (yet) used in text in Part 9. Those which are not used at the CD2 or DIS stage should be removed. 2. At the same time, there may well be the need to add definitions for concepts such as "accountability", "commitment exchange" and others which may be identified as needed.	1. Project Editor requested to implement. 2. SC32/WG1 to discuss and decide at Crete meetings.	Accept Project editor is requested to investigate participating WG1 experts to provide project editor draft definitions before March 31, 2012.
JP	3.4	Line 562~568	te	These NOTEs make the definition ambiguous.	To eliminate it or modify the definition including meaning of NOTE sentences or move to the sub-subsection 6.2.4 business	Not accept 1. This is an existing ISO definition as referenced. Project editor to provide the reference to ISO/IEC

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					event.	15944-4 2006 (3.5) 2. changes to NOTES in existing ISO standards should be requested in relation to the specific standard referenced.
JP	3.5	Line 573	te	This NOTE makes the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate it or define another term specified by a mean of NOTE sentence.	Not accept 1. this is an existing ISO definition. 2. changes to NOTES in existing ISO standards should be requested in relation to the specific standard referenced, i.e. ISO/IEC 15944-2.
JP	3.8	Line 590~600	te	These NOTES make the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate them or define another term specified by a mean of NOTE sentence.	Not accept 1. this is an existing ISO definition. 2. changes to NOTES in existing ISO standards should be requested in relation to the specific standard referenced, i.e. ISO/IEC 15944-5.
JP	3.10	Line 614~636	te	These NOTES make the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate them or define another term specified by a mean of NOTE sentence.	Not accept 1. this is an existing ISO definition. 2. changes to NOTES in existing ISO standards should be requested in relation to the specific

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						standard referenced, i.e. ISO/IEC 15944-10.
JP	3.12	Line 648~651	te	This NOTE makes the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate it or define another term specified by a mean of NOTE sentence.	Not accept 1. this is an existing ISO definition. 2. changes to NOTES in existing ISO standards should be requested in relation to the specific standard referenced, i.e. ISO/IEC 15944-4.
JP	3.14	Line 661~667	te	These NOTES make the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate them or define another term specified by a mean of NOTE sentence.	Not accept 1. this is an existing ISO definition. 2. changes to NOTES in existing ISO standards should be requested in relation to the specific standard referenced, i.e. ISO/IEC 15944-1.
JP	3.15	Line 673~679	te	These NOTES make the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate them or modify the definition including meaning of NOTE sentences.	Not accept 1. this is an existing ISO definition. Project editor to provide the reference to ISO/IEC 15944-1: 2002 (3.11) 2. changes to NOTES in existing ISO standards should be requested in relation to the specific standard referenced.

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JP	3.16	Line 684	te	This NOTE makes the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate it or define another term specified by a mean of the NOTE sentence.	Not accept 1. this is an existing ISO definition. 2. changes to NOTES in existing ISO standards should be requested in relation to the specific standard referenced, i.e. ISO/IEC 2382-1.
JP	3.21	Line 710~716	te	These NOTES make the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate them or define another term specified by a mean of NOTE sentence.	Not accept 1. this is an existing ISO definition. 2. changes to NOTES in existing ISO standards should be requested in relation to the specific standard referenced, i.e. ISO/IEC 15944-7.
JP	3.22	Line 722	te	This NOTE makes the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate it or define another term specified by a mean of NOTE sentence.	Not accept 1. this is an existing ISO definition. 2. changes to NOTES in existing ISO standards should be requested in relation to the specific standard referenced, i.e. ISO/IEC 2382-17.
JP	3.24	Line 733~752	te	These NOTES make the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate them or define another term specified by a mean of NOTE sentence.	Not accept 1. this is an existing ISO definition. 2. changes to NOTES in

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						existing ISO standards should be requested in relation to the specific standard referenced, i.e. ISO/IEC 15944-1.
JP	3.26	Line 761~775	te	These NOTES make the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate them or define another term specified by a mean of NOTE sentence.	Not accept 1. this is an existing ISO definition. 2. changes to NOTES in existing ISO standards should be requested in relation to the specific standard referenced, i.e. ISO/IEC 15944-2.
JP	3.28	Line 786~788	te	These NOTES make the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate them or define another term specified by a mean of NOTE sentence.	Not accept 1. this is an existing ISO definition. Project editor to provide the reference to ISO/IEC 15944-1: 2002 (3.27). 2. changes to NOTES in existing ISO standards should be requested in relation to the specific standard referenced.
JP	3.33	Line 812~826	te	These NOTES make the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate them or define another term specified by a mean of NOTE sentence.	Not accept 1. this is an existing ISO definition. 2. changes to NOTES in existing ISO standards should be requested in

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						relation to the specific standard referenced, i.e. ISO/IEC 15944-5.
JP	3.37	Line 843~844	te	This NOTE makes the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate it or define another term specified by a mean of NOTE sentence.	Not accept 1. this is an existing ISO definition. 2. changes to NOTES in existing ISO standards should be requested in relation to the specific standard referenced, i.e. ISO 1087-1
JP	3.43	Line 873	te	This NOTE makes the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate it or define another term specified by a mean of NOTE sentence or change NOTE to EXAMPLE.	Not accept 1. this is an existing ISO definition. 2. changes to NOTES in existing ISO standards should be requested in relation to the specific standard referenced, i.e. ISO/IEC 6523-1.
JP	3.44	Line 887	te	This NOTE makes the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate it or define another term specified by a mean of NOTE sentence.	Not accept 1. this is an existing ISO definition. 2. changes to NOTES in existing ISO standards should be requested in relation to the specific standard referenced, i.e. ISO/IEC 11179-3

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JP	3.47	Line 900~906	te	These NOTES make the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate them or define another term specified by a mean of NOTE sentence.	Not accept 1. this is an existing ISO definition. 2. changes to NOTES in existing ISO standards should be requested in relation to the specific standard referenced, i.e. ISO/IEC 14662.
JP	3.53	Line 937~946	te	These NOTES make the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate them or define another term specified by a mean of NOTE sentence.	Not accept 1. this is an existing ISO definition. 2. changes to NOTES in existing ISO standards should be requested in relation to the specific standard referenced, i.e. ISO/IEC 15944-5.
JP	3.54	Line 952~958	te	These NOTES make the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate them or define another term specified by a mean of NOTE sentence.	Not accept 1. this is an existing ISO definition. 2. changes to NOTES in existing ISO standards should be requested in relation to the specific standard referenced, i.e. ISO/IEC 15944-1.
JP	3.56	Line 970~972	te	This NOTE makes the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate it or define another term specified by a mean of NOTE sentence.	Not accept 1. this is an existing ISO definition. 2. changes to NOTES in

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						existing ISO standards should be requested in relation to the specific standard referenced, i.e. ISO/IEC 15944-4.
JP	3.58	Line 981~994	te	These NOTES make the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate them or define another term specified by a mean of NOTE sentence.	Not accept 1. this is an existing ISO definition. 2. changes to NOTES in existing ISO standards should be requested in relation to the specific standard referenced, i.e. ISO/IEC 15944-2.
JP	3.62	Line 1016	te	This NOTE makes the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate it or define another term specified by a mean of NOTE sentence.	Not accept 1. this is an existing ISO definition. 2. changes to NOTES in existing ISO standards should be requested in relation to the specific standard referenced, i.e. ISO/IEC 14662
JP	3.64	Line 1027~1028	te	This NOTE makes the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate it or define another term specified by a mean of NOTE sentence.	Not accept 1. this is an existing ISO definition. 2. changes to NOTES in existing ISO standards should be requested in relation to the specific standard referenced, i.e.

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						ISO/IEC 15944-1.
JP	3.67	Line 1040	te	This NOTE makes the definition ambiguous and has no phrase for specifying a mean related traceability.	To eliminate it or define another term specified by a mean of NOTE sentence.	Accept Delete the NOTE.
CA14	5.2	lines 1098-1104	te/ed	The importance of a set of (simple) predefined rules may need to be explained, perhaps through adding at the start of line 1099. On the whole the number of predefined rules is limited (and simple). However, the interworkings of the rules does allow for many different instantiations of a scenario. Draft text for a footnote. "The analogy here is to the rules covering a game where the simplest set of rules may well lead to multiple and very different instantiations, (e.g., the game of wei (Chinese), igo (Japanese), go (English)."	SC32/WG1 requested to discuss and decide.	Accept The focus of this first edition part 9 here is "primitive" rules, i.e. the most basic rules, fundamental rules.
CA15	5.2	line 1101	ed/te	Delete "structured or non-structured". It is confusing. A rule is a rule (or statement).	Project Editor requested to implement.	Accept
CA16	5.2	line 1102	te/ed	Change "between" to "among" and apply throughout Part 9 where applicable. [Note 1: This was discussed and decided upon in the development of ISO/IEC 14662 Open-edi Framework Model and has been applied consistently since then.	Project Editor requested to apply	Accept

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				Note 2: The English grammar rule is that you use "between" for two, and "among" for two or more. In an Open-edi case, it is "among" because one may have two or more parties as Persons in a commitment exchange/business transaction.		
JP	5.3	Line 1107~1141	ge	Some parties collaborate to establish information sharing system to meet requirements of traceability out of each party, e.g. real property registration system relating selling and buying of real estate. This situation is not covered by sentences of paragraphs "b) Record keeping" and "d) sharing traceability data between parties".	To modify paragraphs "b) Record keeping" and "d) sharing traceability data between parties" to cover collaborative situations.	Accept as amended 1 change "between" to "among" as per CA16 2 change d) to : "Every party may decide on how to implement internal traceability systems as part of their internal behavior. However, it is essential that they be able to collect, record, and share the necessary information with upstream and/or downstream parties in an accurate and timely manner. To support traceability, the Open-edi implementation shall provide necessary facilities for parties to share traceability data, e.g. by mutual agreement." [See further below clause 7.2] 3 Add Japan real estate example under clause 7.3.

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CA17	5.3	lines 1120-1123	ed/te	Canada supports the Project Editors' Note and looks forward to the Project Editor providing a contribution or draft text on this for inclusion in Clause or as an Annex.	To be discussed further by SC32/WG1 at the Crete meeting.	Accept To be linked to clause 7, differentiate 7.2 and 7.3.
CA18	5.3	lines 1125-1155	te/ed	Canada supports the use of "Principles" and would like to see this Clause expanded to include more normative text along with associated rules. Current text already includes text which has implicit rules. These should be made explicit. See further below additional comments on Clause 5.3.	To be discussed further by SC32/WG1 at the Crete meeting. Possible revised Table of Contents (TOC) for this sub-clause. 5.3 5.3.1 Introduction 5.3.2 Unambiguous identification 5.3.3 Record-keeping 5.3.4 Define accuracy 5.3.5 Ensuring traceability among parties 5.3.6 Other	Accept
CA19	5.3	lines 1126-1129	te	Canada supports the Principle of "unambiguous identification". However, with a scenario and with the focus and content of a commitment exchange, the application of the principle of unambiguous identification applies to unambiguous identification of: a) the parties to a commitment exchange. Clauses 6.2.2 and 6.2.3 of ISO/.IEC 15944-1 should be used.	Change "unique identification" to "unambiguous identification". To be discussed and developed further at the SC32/WG1 Crete meetings.	Accept Project editor to provide suggested text for draft CD2, as found in part 1 and part 5.

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				<p>b) the commitment exchange(s) itself as made among the parties to a commitment exchange (and sub-commitments such as with agents or third parties) . Concepts and rules re: business transaction identifier" (BTI) of Clause n.n in ISO/IEC 15944-5 should be used.</p> <p>c) other aspects of a commitment exchange (to be identified during the SC32/WG1 meetings).</p> <p>In addition, it is important to review the "Template" Clauses in the other Parts of ISO/IEC 15944 (especially those in Parts 1 and 5) o determine which attributes stated there would/could also support traceability requirements.</p>		
CA20	5.3 b)	lines 1132-1137	te	<p>1. Canada agrees that record-keeping is a very important aspect of traceability. A thorough review of applicability of ISO 9000s standards is required. See further CA 02 above.</p> <p>2. In addition, it is important to differentiate between:</p> <p>a) the actual recorded information itself as created, used and interchanged among parties or a commitment exchange; and,</p> <p>b) the additional recorded information that may be required to support traceability requirements.</p>	To be discussed, developed further, and decided upon, at the SC32/WG1 Crete meeting, i .e., the need to differentiate between these two types (or among even more types) of traceability data.	<p>Accept</p> <p>1 As per CA02</p> <p>2 It is important to identify the additional recorded information that may be required to support traceability requirements.</p>

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CA21	5.3 c)	lines 1143-1146	te	<p>There is a relation between “accuracy” and “unambiguous”, i.e., the latter pertains to levels of certainty.</p> <p>Canada requests SC32/WG1 to consider whether or not one should introduce the concept of levels of certainty to “defined accuracy”, i.e., as “levels of defined accuracy”.</p> <p>There is also a need to link the principle of “defined accuracy” to the ISO/IEC 15944-1 Clause 6.3 Process Component” and its five fundamental activities.</p> <p>See further Attachment B below which provides a more detailed set of Canada comments on this matter.</p>	SC32/WG1 to discuss this comment and Attachment B at its Crete, October, 2011 meeting and resolve.	<p>Accept</p> <p>Use the concept of “levels of unambiguity” and make it align with part 10.</p>
CA22	5.3 d)	lines 1148-1152	te/ed	The focus of “sharing of traceability among parties” to a commitment exchange is the key aspect to be addressed in Open-edi	This needs to be discussed and developed further at the SC32/WG1 Crete meetings.	<p>Accept</p> <p>To be addressed and resolved in the context of Japanese comments to clause 5.3.</p>
CA23	6	line 1159 and line 1168	te/ed	Canada agrees that the three components of the business transaction model (BTM) are Person, process, and data. {See further Clause 6.1.5 in ISO/IEC 15944-1} Discussion is required with respect to commonalities and differences of traceability aspects of Person(s), process, and	This needs to be discussed and developed further at the SC32/WG1 Crete meeting.	<p>Noted,</p> <p>The focus of part 9 is the traceability of commitment.</p>

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				data.		
JP	6.0	Line 1161	ed	“The information model for Person will be rendered into data elements ...” should be in the present tense.	To change “will be” to “is.”	Accept
JP	6.1	Line 1168~1206	te	These paragraphs have no sentence related traceability and describes summary of “recorded information” and “data“ defined in part 1 of ISO/IEC 15944. Only last sentence expresses relation to traceability.	To eliminate these paragraphs except last sentence.	Accept These contents can be put as a footnote reference to part1.
CA24	6.1	lines 1180-1221	te/ed	Canada notes that the text and figures are based on/taken from 15944-1. However, it is not clear if this text and figures are needed. By definition traceability requires one to create and use recorded information only, i.e., as sets of recorded information (SRIs). As such, consideration should be given to deleting the figures at the bottom of page 19 and on page 20. One can/should simply reference them via a footnote.	To be discussed and decided upon by SC32/WG1 at its Crete meetings.	Accept Resolved as per JP 6.1
CA25	6.1	lines 1180-1267	te/ed	It is noted that in the progression of development of the Parts of ISO/IEC 15944 the concept and definition of set of recorded information (SRI) is being used as the generic replacement for “data element”. SRI also maps to “Information Bundle” (IB) and “semantic component (SC) which are particular kinds of SRIs as related to scenarios, i.e., as scenario components. As such, the text in Clause 6.1 needs to be amended to have “set of recorded information (SRI)” replace “data element”	SC32/WG1 to discuss and develop further at its Crete meeting. Project Editor requested to consider.	Accept Project editor to use these Open-edi concepts as appropriate, throughout the whole document, instead of simply “data elements.”

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				<p>where appropriate in the text as well as in the centred box in the figure at the top of page 21.</p> <p>Discussion is needed by SC32/WG1 in Crete on the use of "semantic component (SC)" which is process independent, information bundle (IB) which links semantic components (SCs) in the context of a role or event in a process.</p>		
CA26	6.2.1	lines 1279-13-2	te/ed	<p>On the whole Canada supports the approach taken in this Clause. However, part of the Figure at the bottom of page 21 is missing. In addition, consideration should be given to moving this figure up in Clause 6, i.e., as part of Clause 6.1 Introduction to the generic traceability model</p>	To be discussed and decided upon by SC32/WG1 at its Crete meetings.	<p>Accept</p> <p>In 6.1 the third figure will be dropped. And the figure in 6.2.1 will be put at the end of 6.1</p>
PE1	6.2.2	Line 1323-1389		<p><i>Japan, Canada, US comments to 6.2.2 are similar in nature</i></p>		<p><i>Accept as amended</i></p> <p><i>The figure to be moved to normative annex, combined with figures 12, 13 from part 1.</i></p> <p><i>Text in part 1 plus 6.2.2 and 6.2.3 to be used as basis for a normative annex and placed in a traceability context.</i></p> <p><i>The purpose of this annex to provide detailed information requested in Japan, Canada, US comment.</i></p>

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						<i>This will allow 6.2.2 to contain summary text along with the required rules and guidelines.</i>
PE2	6.2.2	Line 1323-1389		<i>The discussion resolving the Canada, JP, and US comments, identified need for consideration of life cycle aspects of commitment exchange with respect to both the transaction itself as being immediate or none immediate, whether or not it involves post actualization. Part 6 may be useful here.</i>	<i>Result of the discussion on PE1, involved the importance of BTI, the rPI of the seller and buyer used in relation with BTI. The life cycle of the commitment exchange in terms of both a) Immediate or non-immediate b) Post-actualization exists or not. from traceability perspective. Note: external constraints may require traceability of a good or service involving several different business transactions for the same good or service.</i>	<i>PE requested to consider this with respect PE1 and drafting of CD2 document.</i>
JP	6.2.2	Line 1311~1376	ge	Identifiability is very important for traceability during a product life cycle. This requirement makes interoperability of identifier schemas difficult.	To add more rules of identifier schemas.	Accept as per PE1
CA27	6.2.2	lines 1323-1396	te/ed	Use of object, item, etc., instead of "entity In Clause 6.2.2 and elsewhere in this document "object" is used instead of "entity" or "business object". ISO/IEC 15944-2 identifies the types of business objects in terms of scenarios and their components. Further, if the focus of Part 9 is to be "commitment exchange" then "traceability item"	To be discussed and decided upon by SC32/WG1 at its Crete meetings.	Accept Project editor is requested to check the terms like "item, object, entity", traceable commitment, traceable item, etc.

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				<p>may need to be replaced with traceable commitment.</p> <p>Also, the left "box" in figure Clause 6.2.2, (lines 1327-1339) should be on "commitment exchange" in a business transaction. As such, one needs to establish consistent and clear use of the concepts of entity, Person, business object, item, etc. , should use coin the label "traceability item" or "traceability object" and define them.</p>		<p>Both traceable item and traceable commitment need to be well defined as well as their relation with each other. Then apply as appropriate.</p> <p>Also noted "business object" is a defined Open-edi concept(part2 3.6), but here is used in a different sense.</p>
CA28	6.2.2	lines 1343-1346 (and 1385-1388)	te	<p>Canada understands that the text in line 1343 to state that there may be recorded information about business objects in a commitment exchange(s) pertaining to a business transaction which is not required to be traceable from an external constraints perspective.</p> <p>However, the text for lines 1343-1348 requires clarification on this matter. It is recommended that one develop one or two examples the application of this rule in order to be able to have a better understanding. Such an example could then be included as a footnote to this rule (if not in the text itself.</p> <p>[Note: This comment also applies to lines 1385-</p>	SC32/WG1 and Project Editor to develop one or two such examples at the Crete meetings.	<p>Accept</p> <p>Project editor is requested to give the examples during the CD2 development.</p>

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				1388]		
JP	6.2.2	Line 1345~1349	te	It is not understood what this guideline “It is good practice for an Open-edi implementation to have any object identified.”	To modify paragraphs to express clear.	Accept as per PE1
US2	6.2.3	Fig n	ge	It is unclear to what extent the Person’s persona is related to some particular role that the Person plays in the context of a business transaction.	Consider elaborating a Person’s persona in the context of a business transaction beyond Identifier and signature.	Accept as per PE1
US3	6.2.3	Fig n	ge	(common/default) of Persona A is not explained.	Consider elaborating on (common/default) beyond identifier and signature.	Accept as per PE1
CA29	6.2.3	lines 1390-1441	te/ed	1. It might be useful to deal with unambiguous identification of Person in support of traceability first. Also, in light of the draft text for this Clause 6.2.3 a more appropriate title would be “Rules governing unambiguous identification of Persons in support of traceability requirements”. 2. Further, there may need to be a link between role qualification and traceability.	1. SC32/WG1 requested to accept 2. SC32/WG1 to discuss and decide.	Accept as per PE1 Change title of 6.2.3 as recommended.
JP	6.2.3	Line 1394~1408	te	Identifier of Person is enough for identifying Person. Persona and signature are useful for validation of Person and not for identifying Person.	To change rule “... in identifying Person” to “... in validating Person.”	Accept
CA30	6.2.3	lines 1395-1399	te/ed	1. The figure at the top of page 24 is copied in from Figure 11 in Part 1 ISO/IEC 15944 (as stated in line 1395). However, for Clause 6.2.3 to be	Project Editor requested to consider and provide advice. To be discussed further and decided upon by SC32/WG1 at its Crete meetings.	Accept as per PE1

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				<p>relevant and complete from a traceability requirements perspective, will require also the inclusion of Figure 12 and Figure 13 (and associated rules and text from Part 1). Further consideration should be given to also including Figure 17 and part of the rules and text of Clause 6.2.7 of Part 1.</p> <p>Another consideration would be to: (1) place these figures and associated text, rules, etc., into a Normative Annex; and, (2) then provide summary rules and text from a traceability requirements perspective in Clause 6.2.3.</p> <p>2. As noted in an earlier Canadian comment, sets of external constraints which impact on generic traceability requirements are those which are invoked when a primary party to a commitment exchange is an individual. Privacy protection (and consumer protection) requirements would apply.</p>		
CA31	6.2.3	lines 1432-1433	te/ed	The matter of anonymity in a traceability context requires further discussion. Traceability requirements may not allow for anonymity. On the other hand, using post-actualization as an example, someone buys a good or service and gives it to someone else as a gift. The gift has a warranty component. The execution of the warranty requires one to complete the warranty card and include "proof of purchase" (focused on date and seller). The result is that independent of	Project Editor requested to consider and provide advice. To be discussed further and decided upon at the SC32/WG1 Crete meetings.	<p>Accept as per PE1</p> <p>To delete the guideline nnGn on line 1432</p> <p>CA 31 is linked to PE2</p>

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				<p>the traceability of the actualization between an (original) buyer and a seller, the post-actualization and related commitments of the seller to the buyer have now been transferred to another Person as the holder, i.e., owner, of the good or service purchased.</p> <p>In addition, it is also not uncommon that a seller may outsource or sub-contract its post-actualization commitments to another party as its agent.</p>		
CA32	6.2.4	lines 1443-1482	te	<p>In light of earlier Canadian comments with respect to a possible orientation and focus on commitment exchange, one needs to define "object" and "item" in this context. Should the labels for these concepts be "commitment item", "commitment object", etc.</p>	<p>SC32/WG1 to review, discuss and decide at its Crete meeting.</p>	<p>Accept and resolved as per CA 27</p>
CA33	6.2.4	lines 1443-1492	te/ed	<p>Canada fully supports the perceived purpose and focus of the concept of "business event". In support of the same Canada notes that:</p> <p>1) this is a new Open-edi concept and as such requires the development of a proper definition to be added to and included in Clause 3.</p> <p>2) one can consider a "business event" to be linked to a state change in the actualization of a business transaction.</p>	<p>Canada supports the concept of a "business event" and its importance in a traceability framework.</p> <p>Canada notes that "business event" is a defined Open-edi concept. {See ISO/IEC 15944-4:2007, 3,5}</p> <p>Canada suggests that SC32/WG1 consider combining the concept/definition of "business event" with that of the focus of Part 9 traceability and consider developing and using the concept of "traceability event;" (or "commitment event") etc.,</p>	<p>Accept</p> <p>Commitment event and traceability event concepts to be defined in the same manner as business event.</p> <p>Draft rule about commitment event can have 0 or more traceability event.</p> <p>Commitment event to be</p>

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				<p>3) the concept of “business event” is also linked to, take place in, and needs to be modelled in a collaboration space context (as introduced in Part 4 “accounting and economic ontology” of 15944 and further expanded and applied in Part 5 External Constraints of jurisdictional domains, as well as in Part 8 from a privacy protection requirements perspective).</p> <p>4) as such, is a “business event” something that parties to a business transaction “wish to monitor or control”? (see line 1443), or that they are required to “monitor and control”, i.e., as a result of external constraints.</p> <p>The (initial) Canadian position is that a “traceable business event” (or “traceable commitment exchange event” – amore generic approach) pertains to any aspect of an instantiated commitment exchange which the parties to that commitment exchange are required to monitor or control based on applicable external constraints.</p> <p>5) with respect to the statement in line 1451 “a business event can either occur instaneously or have duration”, Canada has the following observations and comments.</p> <p>a) how is this linked to text of this nature in ISO/IEC 15944-6?</p>	<p>which focuses on traceability of change in or transfer of commitments.</p>	<p>linked to a state change in the actualization of a business transaction.</p> <p>Project editor to take into account of these CA comments in drafting CD2 document.</p>
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				b) is what is intended that of an instantiation of a business event taking place during a single (continuous online) session or two or more sessions taking place over time?		
CA34	6.2.4	lines 1484-1486	te/ed	Canada supports the need for a default temporal schema and this being ISO 8601. On the other hand, external constraints of jurisdictional domains or as mutually agreed on via internal constraints, may well require or permit the use of other temporal schema as provided for in Clause 6.6.4.5 Date/time referencing" in ISO/IEC 15944-5:2008.	Canada requests the Project Editors and SC32/WG1 to reference existing normative text in Part 5 on this matter either in Clause 6.2.4 itself or in the proposed Annex C.	Accept Project editor to take 6.6.4.5 and amend text of that clause in a traceability context for a new normative annex. 6.2.4 to provide summary text for the rule.
CA35	6.2.4	lines 1451-1482	te/ed	1. Canada supports the overall approach to "business event" as stated in these lines including "Figure n Information Model of Business Event" 2. However, one should consider transforming line 1451 into a rule. [Note: This is also necessary for the Guidelines in lines 1484-1491 to be able to be referenced]	Project Editor requested to implement SC32/WG1 to discuss and decide at the Crete meeting.	Accept
JP	6.3.1	Line 1482~1513	ge	There is no rule in this sub-subsection since "object" is a too general term for traceability of Open-edi.	To study mappings in cases of Open-edi and modify this sub-subsection to include some rules related traceability.	Accept as per CA35

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CA36	6.2.4	lines 1488-1490	te	<p>1. Canada support to need to specify the "location" to the jurisdictional domain within which a commitment (1) is made; (2) is required to be made (as per external constraints of applicable jurisdictional domains; or (3) which the parties mutually agree in which jurisdictional domain it is made.</p> <p>2. Canada notes that "location" is a defined Open-edi concept. {See ISOIEC 15944-2:2008 (3.50)} <i>"a place, either physical or electronic, that can be defined as an address"</i>.</p> <p>Canada recommends that from a commitment exchange perspective in support of external constraints of jurisdictional domains a "location" should be "physical place", i.e., as a default.</p>	Canada requests that the further development of referencing "location", i.e., the place where the commitment event occurs, be based on ISO/IEC 15944-2 and -5, i.e., with respect to referencing the applicable jurisdictional domain(s).	<p>Accept</p> <p>In addition, the "choice of venue" impacts traceability of commitment exchange. Here external constraints of jurisdictional domain may override internal decision making of the party to the business transaction.</p> <p>The decision of where a commitment exchange/ business transaction is deemed to take place may be impacted by the need to differentiate whether the transaction pertains to good or service. For example, if the selling of a virtual service is deemed to take place at the physical location of the seller, where such a service contract does not require any physical travel or presence of the seller by the other jurisdictional domains where the service is provided.</p>

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						Further, existing requirements of tax law external constraints of the sell of goods, services or rights and differences of their application among jurisdictional domain need to be able to be accommodated in the implementation and use of this standard. It is important that the CD2 address this requirement at the primitive level.
JP	6.3.1	Line 1489~1494	te	This sentence can explain that there are some examples.	To change sentence “These associations can: ... e) be other type of relations” to “For example, these associations a) exist in ... d) be one type of mathematical or logical calculation.”	Accept
CA37	6.3.1	lines 1494-1525	te/ed	Canada supports the approach presented. 1. Canada suggests the title of Clause 6.3.1 be	1. SC32/WG1 to discuss and decide in Crete. 2. Canada requests SC32/WG1 to support this	Accept

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				<p>changed from "generic mapping" to "basic mapping" (or "primitive mapping") since use of "generic" may be misunderstood.</p> <p>2. It is assumed that when this Canadian comment is discussed that SC32/WG1 will already have addressed and resolved what is a "traceable item", i.e., as "traceable commitment", and that the results of these discussions will be applied here.</p> <p>3. In light of Clause 6.2.4 one should consider replacing the box in line 1510 "entities" with "business transaction entities".</p> <p>4. The text in lines 1495-1525 as well as that found in the boxes of the Figure n, with respect to use of "objects", "items", etc., need to be reviewed in light of earlier Canadian (and other P-member) comments. The objective here is to (1) have a single, consistent and well-defined controlled vocabulary; and (2) one that is harmonized with existing Open-edi concepts and their definitions as found in 14662 and existing parts of 15944.</p>	<p>approach.</p> <p>3. Canada requests SC32/WG1 to support this approach.</p> <p>4. Canada requests SC32/WG1 to support this approach.</p>	
CA38	6.3.1	line 1497	ed	Change text "thus the links between set of information..." to "Thus the links among sets of recorded information (SRIs)..."	Project Editor requested to implement.	accept
CA39	6.3.1	lines 1495-1506	ed	The use of "item" and "object" here and elsewhere need to be amended and "stabilized" as per other Canada comments	Project Editor requested to apply based on resolutions of other CD ballot comments.	Accept as per CA27

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CA40	6.3.1	1503	ed	Change "physical record" to "set of recorded information (SRI)" which is a defined Open-edi concept and IT-platform neutral.	Project Editor requested to implement.	Accept
CA41	6.3.1	1504	te/ed	Canada is not sure of what is meant or intended by "c) exist in the attributes of each other".	Project Editor to explain the purpose and intent of this mapping aspect at the Crete CRM meeting. SC32/WG1 required to develop changed text for "c") provided explanatory text, (e.g., via a footnote), etc.	Accept Change the existing text Add explanatory text as a footnote.
CA42	6.3.1	1504	te/ed	Canada is not sure of what is meant or intended by "d) be of one type of mathematical or logical calculation". On the whole Open-edi standards are rule-based applying "axiomatic" logic.	Project Editor to explain the purpose and intent of this mapping aspect at the Crete CRM meeting. SC32/WG1 required to develop changed text for "c") provided explanatory text, (e.g., via a footnote), etc.	Accept Change the existing text Add explanatory text as a footnote
CA43	6.3.1	line 1506	te/ed	Canada is not sure what is intended by "e) be other type relations". On the whole relations of any type including interdependencies are expressed and explicitly stated in the form of "rules (and guidelines)".	Project Editor to explain the purpose and intent of this mapping aspect at the Crete CRM meeting. SC32/WG1 required to develop changed text for "c") provided explanatory text, (e.g., via a footnote), etc.	Accept as per JP 6.3.1
JP	6.3.2	Line 1514~1571	ge	There is only one rule in this sub-subsection since "object" is a too general term for traceability of Open-edi.	To study mappings in cases of Open-edi and modify this sub-subsection to include some rules related traceability.	Accept as per CA 27 Project editor is requested to provide more text on the figures, and to provide new rules based on the new text where appropriate.
CA44	6.3.1	line 1519	te/ed	Canada notes that the text in the box in the Figure reads "identifier". Multiple definitions of the concept of "identifier" exist within (and outside) of	Project Editor and SC32/WG1 requested to take such an approach.	Accept

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				eBusiness (and Open-edi). Canada therefore requests SC32/WG1 to consider the development of a unique label and unambiguous definition of the concept and use of "identifier" in a traceability framework context, i.e., as "traceability identifier". In this context, Canada notes that SC32/WG1 took such an approach for the Part 1 definition of "identifier (in a business transaction)" and "business transaction identifier" in Part 5.		The default is to use "identifier (in a business transaction)", unless specific sub-type identifier is required such as BTI, rPI, etc.
CA45	6.3.1	line 1514	te/ed	Canada has questions related to text in three (3) boxes in the figure namely "traceable items", "non-traceable items", and "event". First of all, if this text is to be used as labels/terms for concepts, each of these needs to be defined. Secondly, is "item" or "event" okay? Should not "event" be replaced by "business event"?	Project Editor requested to advise and SC32/WG1 requested to discuss and decide at the Crete meetings.	Accept as per CA27
CA46	6.3.2	line 1520	te/ed	Canada supports the inclusion of a clause of this nature in Part 9. However, consideration should be given to changing the title of this clause to: a) "Chain of mapping of traceability aspects of commitment exchange"; b) "commitment exchange traceability chain mapping"; c) support of commitment exchange traceability	Canada requests Project Editors to advise and SC32/WG1 to discuss and decide on more appropriate text for the title of this clause.	Accept Project editor to revise title.

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				mapping". d) etc.		
CA47	6.3.2	lines 1527-1528	te/ed	The text in these two lines needs to be improved (or expanded) to provide greater clarity. Other Canadian comments on this CD Part 9 apply and need to be taken into account in drafting replacement text.	SC32/WG1 to discuss and decide at the Crete meetings and draft replacement text.	Accept Change "final goal" to "primary object" and amend text accordingly.
CA48	6.3.2	lines 1529-1543	te/ed	On the whole, Canada supports the approach taken in the CD document. Based on other Canadian CD ballot comments, Canada makes the following additional comments. a) change "chain of mapping" to "chain of commitment exchange traceability mapping". b) change "identifier "to commitment exchange traceability identifier (CETI) or whatever is deemed most appropriate term for the concept (to be defined). c) change "object A", "Object B" etc, to labels which are appropriate and meaningful in an Open-edi commitment exchange context. d) change title of figure to reflect above changes.	Canada requests the Project Editors and SC32/WG1 to discuss and resolve these issues at the Crete meetings.	Accept a) is accepted b) as per CA 44 c) as per CA 27 d) is accepted
CA49	6.3.2	lines 1545-	te	Based on Canada's comments on lines 1527-1544	SC32/WG1 requested to discuss and develop draft	Accept and resolved as per

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**Comments on ISO/IEC CD 15944-9 Information technology - Business Operational View - Part 9:
Open-edi traceability framework**

Date: 2011-9-7

Document: **ISO/IEC CD 15944-9**

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		1552		above (as well as resolution of other Canada comments on Part 9 CD, the CD text in lines 1545-1551 needs to be reviewed and revised.	revised text at the Crete meetings.	other CA and JP comments to 6.3.2 Note: traceability route refers to traceability of commitment exchange, which may be different from the tracing the goods of service flow. This should be stated explicitly
CA50	6.3.2	lines 1553-1583	te	Canada supports the overall approach taken in the Part 9 CD ballot document. However, the text provided (a) includes one or more rules which should be explicitly stated; (b) is too compact/dense to be able to be understood by a very wide variety of Part 9 implementers and users; and, (c) requires amendments to "text of labels". in the boxes to ensure a harmonized approach with existing Open-edi/eBusiness concepts and their definitions.	Canada requests that at the SC32/WG1 CRM on this CD for Part 9, that SC32/WG1 take whatever time required to provide substantive input necessary for the development for the (draft) CD2 for Part 9. Canada also requests SC32/WG1 to make the rules, text, and figure nn lines 1553-1583 as a separate sub-clause.	Accept as per JP 6.3.2
CA51	6.3.2	lines 1568-1579	te/ed	1. The figure is a very good and important figure. consideration should be given to shading-in the elements which form the traceability route. 2. The use of "Partner" and "Object" in the figure needs some re-thinking in light of earlier Canadian comments. Also, "partner" is a defined concept.	Project Editor requested to consider. SC32/WG1 to discuss in Crete meetings.	Accept as per CA27

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				{See ISO/IEC 15944-4:2007 (3.51)} as a "sub-type of Person that includes buyer and seller ".		
CA52	7	line 1589	te/ed	Canada supports the overall focus and purpose of this clause. However, the title may need to be qualified. As such, the title of the clause needs to be changed to a possible changed title could be "Open-edi collaboration space and traceability of commitment exchange of Persons in a business transaction".	SC32/WG1 requested to discuss and decide at the Crete meetings.	Accept as amended "Open-edi collaboration space and traceability of commitment exchange among Persons in a business transaction"
CA53	7	lines 1590-1593	te/ed	1. Canada supports the "Project Editor's note". It fully agrees that there is a link between ISO/IEC 15944-8 and this new Part 9. As a matter of fact Part 8 "Privacy Protection" requirements do very much require and demand the existence of "traceability" requirements of the nature as identified in the development of Part 9. Canada also recognizes that the development and completion of this Part 9 may well require corrigenda and addenda to Part 8 and other Parts of the multipart ISO/IEC 15944. 2. Consideration should be given to including the applicability of the traceability framework to an example based on Part 4 or a Part 8 application.	1. SC32/WG1 to discuss and decide 2. Project Editor requested to consider.	Accept Project editor of part 9 to request Project editors for part 4 and part 8 to provide such an example, taking into account data synchronization requirement The objective is that the "referential integrity", Steve to provide draft definition. External constraints of public policy nature, e.g. privacy protection,

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						consumer protection, etc. may mandate data synchronization with referential integrity. This needs to be included in the draft CD2, possibly as a separate clause.
CA54	7.1	line 1604	te/ed	Part 8 represents one application of Part 5 collaboration space with the external constraint of privacy protection. This should be noted, perhaps via a footnote.	If SC32/WG1 agrees, Project Co-Editors for Part 8 should be requested to draft such a footnote.	Accept Project editor for part 9 to request project editors for part 8 to draft such a footnote.
CA55	7.2	line 1627	ed	Change "...roles of Person are one..." to "...includes roles of Persons, as parties to a business transaction, are one..."/	Readability. Project Editor requested to apply.	Accept
CA56	7.2	line 1632	ed	Change "...that of the organization which are parties to..." to "...that of the Persons who are parties to..."	Project Editor request to implement.	Accept
CA57	7.2	lines 1632-1639	te/ed	The text provided is a good start but needs to be linked to the Open-edi concept of (a) decision-making applications (DMAs) within IT systems of a Person. Text in ISO/IEC 14662 Clause 5.2.2 "Implementation concepts" would be useful to reference (and incorporate).	Project Editor requested to consider. SC32/WG1 to discuss and work out further at the Crete meetings.	Accept Project editor to investigate use of DMAs.
CA58	7.3	line 1651	ed	The title of the clause " <i>Person and external constraints: the regulator</i> "	Project Editor requested to implement.	Accept

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CA59	7.3	line 1657	ed	<p>What do "(See further Clause 9" refer to (a) Clause 9 in Part 1? or (b) Clause 9 in this Part 9? If (a) change text to "See further Clause 9 in Part 1)" If (b), change text to "(See further Clause 9 below)"</p>	Project Editor requested to review and decide.	Accept
CA60	7.3	lines 1661-1683	te	<p>The text and rule in lines 1661-1683 contains two key concepts but does not define them sufficiently namely "internal traceability", and "external traceability". These appear to reflect the Open-edi Model differentiation between "internal behaviour" and "external behaviour".</p> <p>Included is the question of whether or not Part 9 should focus on (a) external traceability only, or (b) both internal traceability and external traceability? If both, then these need to be covered via text and rules which apply to both as well as text and rules which apply to one of them only.</p> <p>Note: On the whole, ISO/IEC 15944 standards development has focused on external behaviour only.</p> <p>This matter requires further discussion by SC32/WG1 and advice from the Project Editor.</p>	Project Editor and SC32/WG1 to discuss and decide at the Crete meetings.	<p>Accept</p> <p>Project editor requested to add internal traceability to aspects not yet addressed clause.</p> <p>Project editor check text where internal traceability appears in the whole document.</p> <p>Internal traceability to be linked to internal behavior and external traceability to be linked to external behavior.</p>

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PE4				<i>Many of the CA and JP comments are to be resolved in the context of the decision that part 9 should focus on traceability of commitment exchange and the need to differentiate between traceable commitment and traceable item.</i>		<i>To be applied to change or add new text in clause 8.</i>
JP	8.1.2	Line 1700	ed	Typo “thetraceable item”	To change to “the traceable item.”	accept
JP	8.1.2	Line 1697~1707	te	These rule and guideline are applicable to movable properties but not to immovable properties.	To modify the rule and guideline for only movable properties and add a new rule and guideline for immovable properties.	Accept Need to differentiate between movable and immovable properties.
CA61	8.1.1	line 1703	ed	Need text to complete the rule. Change “...of business transactions” to “..of business transaction, namely Person, data, and process.”	Project Editor requested to apply.	Accept
CA62	8.1.1	line 1706	ed	The use of the phrase “structured information models” is confusing.	Project Editor requested to explain at SC32/WG1 Crete meeting and added or replacement text to be developed accordingly.	Accept Change to “structured set of recorded information”
CA63	8.1.2	line 1712	ed	In the rule, change “between” to “among”.	Project Editors requested to implement.	Accept
CA64	8.1.2	lines 1712-1718	te	This rule and associated text needs to be re-thought in light of the focus on traceability of commitment (and accountability). This means that (much of) the physical movement of a good may well be part of the internal behaviour of a party to a transaction. Further, it may well be that commitment exchange is related to status of a good in a logistics chain. For example, in the good reached FOB status, the good being given a	Project Editor to consider and SC32/WG1 to discuss and decide at its Crete meetings.	Accept as per PE4

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				customs release number, etc. Or similarly for a good, service or a right the issuance of the seller of a business transaction identifier (BTI).		
JP	8.1.3	Line 1722	ed	Typo? “The purpose of this this part of the standard ...”	To change to “This part of the standard ...”	Accept
CA65	8.1.3	line 1729	te	Change text of “c” from “c) those of a public policy/consumer requirements nature” to “c) those of a public policy requirements nature such as consumer protection, privacy protection, individual accessibility, etc. This proposed change in text aligns Part 9 much better with existing clauses, rules, figures, etc., as found in Part 5 and Part 8 of ISO/IEC 15944.	Project Editor requested to implement.	Accept Add footnote references to relevant clauses in part 5 and part8 useful here.
JP	8.2	Line 1730~1732	te	This rule is only applicable when meeting legal traceability requirements.	To modify the rule for meeting legal traceability requirements.	Accept as amended Title of 8.2 should be changed to “rules governing use of a recognized Person’s identity(rPi)” Add text to note that public policy requirement (e.g. privacy protection) will override traceability sometimes.
CA66	8.1.3	lines 1732-1738	te	Here and earlier in this CD, there is also mention of internal versus external constraints. Much of the	Project Editor to consider and SC32/WG1 to discuss at the Crete meetings.	Accept as per CA 60

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				<p>text on this matter appears to be repetitive in nature. On the whole, this Part 9 is focused on external constraints and external behaviour among parties to a business transaction, which in turn is modelled in collaboration space.</p> <p>consideration should be given to consolidating text, rules, etc., pertaining to internal and external constraints, internal and external behaviours, into a single "new" clause(s), (e.g., as part of the discussion in Clause 7 "Open-edi collaboration space...".</p>		
CA67	8.2	lines 1741-1751	te	<p>It is assumed that the parties to a business transaction when actualized will decide on and use a mutually acceptable "recognized Person identity (rPi)" for each of them. Parties to an actualized business transaction should not be permitted to change the rPi used and so registered by other parties to the business transaction. This is because allowing a change in rPi would defeat traceability requirements.</p> <p>Canada requests that text in lines 1741-1751 be changed accordingly by including the rule(s).</p>	Project Editor to consider. SC32/WG1 to discuss at Crete meetings.	<p>Accept</p> <p>Project editor is requested to change the text accordingly.</p>
CA68	8.3	lines 1753-1767	te	<p>It is assumed that there are traceability requirements which are necessary based on external constraints and then those which the parties to a commitment exchange negotiate. In any case, it is assumed that traceability requirements of an identification nature are</p>	Project Editor to consider and advise SC32/WG1 to discuss at Crete meetings.	<p>Not accept</p> <p>Traceability requirements are established at the negotiation stage, and completed prior to</p>

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				<p>established initially during the planning phase and finalized during the identification phase.</p> <p>In addition, the text and rules provided here needs also to include and cover commitment exchange traceability requirements.</p>		commencement of the actualization phase.
CA69	8.4	lines 1768-1824	te/ed	<p>Given the fact that there are several sub-clauses to clause 8.4, consideration might be given to adding an introductory sub-clauses as clause 8.4.1 Introduction. The text would summarize the overall approach taken to clause 8.4. This introductory clause would also provide text on the context and focus of the sub-clauses to clause 8.4, which would follow.</p>	Project Editor to consider and advise. SC32/WG1 to discuss at the Crete meetings.	<p>Accepted</p> <p>Project editor is requested to add an introductory sub-clause under 8.4</p>
CA70	8.4	lines 1768-1778	te	<p>1. Canada supports the approach taken in this CD document. However, it needs to be fleshed out. Further, it needs to be linked to records retention requirements as external constraint requirements, the permissibility of state changes need to be specified, etc. Clause 6.6.4 "Data Component" in ISO/IEC 15944-5 provides the basic requirements.</p> <p>2. Canada notes that Project Editor will be providing two (2) examples in Clause 8.4 and looks forward to seeing (drafts of) them at the Crete meetings.</p>	Project Editor to consider. SC32/WG1 to discuss at the Crete meetings.	<p>Accept</p> <p>Draft revised text: Traceability data shall be retained for a minimum period of time as required by external constraints or mutually agreed to by the parties to the business transaction. Then the examples.</p>
CA71	8.4.2	lines 1780-1795	te	The text here and associated rules provide a good start. Text and rules need to be added with respect to the utility of use of coded domains in	Add text to reference Part 10 Coded Domains and their usefulness in supporting traceability requirements.	<p>Accept</p> <p>Project editor is requested</p>

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				support of unambiguity. In addition, agreement to use a specified coded domain(s) also addresses and resolves the issue of granularity. Text of this nature with associated rules, needs to be added in clause 8.4.2.	Project Editor to consider and advice. SC32/WG1 to discuss at the Crete meetings.	to add some text and the reference to part 10 as a footnote.
JP	8.4.3	Line 1783~1790	ge	Master data is relatively consistent over time but has been inconsistent for time over product life cycle corresponding traceability requirements.	To change the rule for corresponding change of data.	Accept Noted that the statement of master data and transactional data is not precise, with respect to their consistency over time. Need to revise the text as per CA 72.
CA72	8.4.3	lines 1797-1805	te	The concepts of "master data" and "transactional data" are important and need to be defined (with the resulting definitions added as entries in Clause 3 above) Also, the relationship of "master data" to "commitment exchange" data needs to be developed. Finally, the use in line 1803 of the <i>phrase "physical exchange of commitment"</i> needs to be explained.	Project Editor to consider and provide advice. SC32/WG1 to discuss and develop further at the Crete meetings.	Accept Project editor is requested to draft definitions for master data and transactional data. Project editor is requested to rephrase "physical exchange of commitment"
CA73	8.4.4	lines 1807-1825	te	The need to state whether recorded information on or about a commitment exchange: (a) can or should be made public; or, (b) remain confidential,	Project Editor to consider and provide advice/feedback. SC32/WG1 to discuss and decide on the direction and approach for further development of clause 8.4.4	Accept as amended Part of the CA 73 comment will be incorporated as a statement.

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				<p>is governed by a combination of external constraints and that which is mutually agreed to by the parties to the commitment exchange.</p> <p>It could also be that what is intended by "private data" is "internal data".</p> <p>Also, the use of the phrase "private data" may be confused with "privacy protection" which is not what appears to be intended here. Perhaps use of "confidential data" instead is more appropriate. Confidential data can be part of a commitment exchange.</p> <p>As a result, the text of the rule (lines 1808-1809) needs to be revised. Further, the text in the guideline (in lines 1815-1817) needs to be revised and perhaps replaced by two or more discrete guidelines.</p>		Use confidential data instead of private data
CA74	9	lines 1828-1839	te/ed	<p>1. Canada supports the approach taken by the Project Editor to completion of Clause 9. Further, in order to differentiate existing attribute from those added to the Part 9 template, Canada suggests that the approach taken in Part 5 also be used here, i.e., as stated in Part 5, Clause 8.2 "<i>Template structure and contents</i>".</p> <p>2. Canada requests the SC32/WG1 experts as well as the Project Editor to identify other attributes which need to be added as the work on this</p>	<p>1. Project Editor requested to apply.</p> <p>2. SC32/WG1 requested to assist Project Editor with this.</p>	Accept Add the Template structure and contents.

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				standard is completed.		
CA75	Annex A	lines 1848-1854	te/ed	<p>Canada requests that one reconsider the nature of Annex A. This is because we now have Part 7: e-Business Vocabulary. It already contains the French, Russian, and Chinese equivalents for most of the definitions found in Clause 3 above. Part 7 is also a "publicly available standard", i.e., available for free.</p> <p>As such, consideration should be given to including in Annex A only the English and French definitions which are "new" (along with their Clause 3.n sub-clause numbers). Since such an approach will reduce the number of pages significantly in Part 9. It also opens the possibility to include English/Russian and English/Chinese equivalents.</p>	Project Editor to consider and advise and SC32/WG1 requested to consider and decide.	Accept
CA76	Annex B	lines 1855 - 2073	te/ed	<p>Canada recognizes the relevance of GS1 global traceability standard to the development of this Part 9. At the same time, some confusion may arise from using the same "label" as the term assigned to two differing concepts and their definitions.</p> <p>At the same time, some of the GS1 concepts and their definitions found in Annex B have been adopted as is (or in amended form) in Clause 3 above, and used as such in this Part 9 text, rules and/or figures.</p>	Project Editor requested to implement, (e.g., by adding text of this nature to clause B.1 (or as a new clause B.2).	Accept

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				<p>To avoid confusion, one should consider using a</p> <p>“+ plus sign to indicate use of GS1 concept/definition in Clause 3 and throughout Part 9; and,</p> <p>“*” an asterisk to indicate (1) that the label used by GS1 is the same as that already used by ISO as representing concept/definition; and, (2) that in this Part 9 standard, it is the ISO definitions that are used.</p>		
CA77	Annex C	lines 2077-2082	te/ed	Text should reference and take a similar approach to that already provided by ISO/IEC 15944-5, clause 6.6.4.5 “Date and time referencing”.	Project Editor requested to implement.	Accept See above CA comments about use of ISO 8601
CA78	Annex D	lines 2083-2089	te/ed	<p>If the use of ISO 3166-1 is intended to reference “location”, with respect to jurisdictional domains then this is not a good source. This is because over 25% of the entries in ISO 3166-1 are not countries. This is made clear in ISO/IEC 15944-5 “Annex J (informative) Coded domain for non-UN member states listed in ISO 31661-”.</p> <p>Further, the Part 5 “Annex E (informative) Codes representing UN member states and their official (or de facto) languages” is the coded domain which should be referenced here.</p> <p>Finally, Part 5 “Annex D (normative) Unambiguous</p>	Project Editor requested to take into account and apply where applicable.	Accept Provide a link in clauses referencing Annex D.

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**Comments on ISO/IEC CD 15944-9 Information technology - Business Operational View - Part 9:
Open-edi traceability framework**

Date: 2011-9-7

Document: **ISO/IEC CD 15944-9**

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				<i>semantic components and jurisdictional domains: standard default convention for the identification, inter-working and referencing of combinations of codes representing countries languages, and currencies</i> ” also applies for identification and referencing a jurisdictional domain which is a (sub) administrative unit of a UN member state, (e.g., a province, state, canton, department, etc.)		
CA79	All	All	te	Any other errors or issues identified as needing to be addressed in addition to those already identified above by Canada or via other P-member comments which are found before or during the Ballot Resolution meeting should be corrected if consensus can be reached on a resolution during this meeting.	To be addressed and resolved during the meeting.	Accept This has been done.

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ATTACHMENT A – Focus on commitment exchange, accountability, and link to ISO 9000s quality process standards

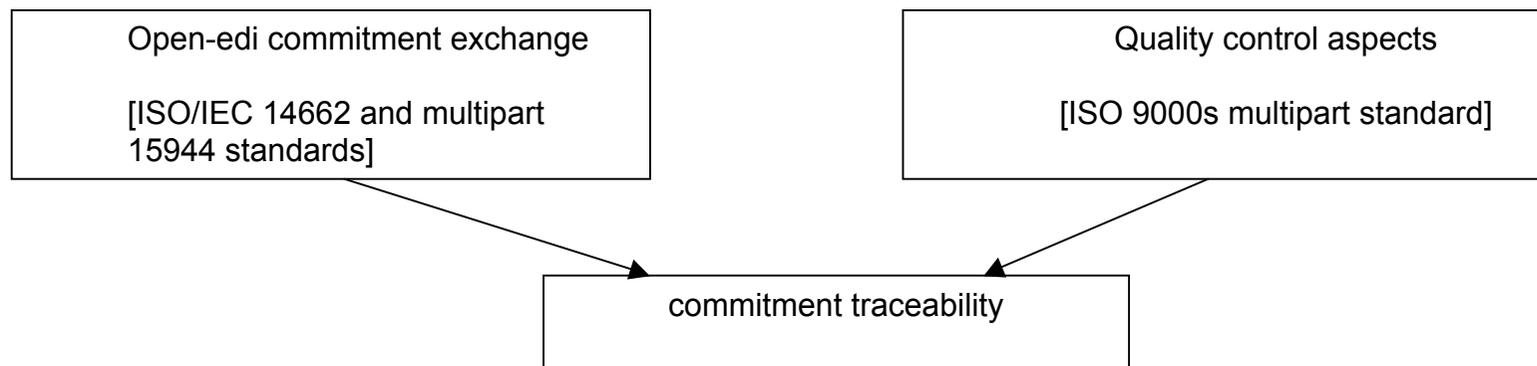
1. Introductory Notes

1.1 In light of some statements made in the CD1 text, it became apparent that one needs to make a link to and maximize use of the ISO 9000s series of standards.

1.2 Above, Canada has made several comments in support of the same.

2. Considerations for future development of this Part 9

2.1 It is recommended that the CD2 text for Part 9 contain an illustrative Figure for which the following Figure A represents a first draft



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2.2 Consideration should be given to changing the title of Part 9 to "Traceability framework for commitment exchange".

ATTACHMENT B – Traceability and "defined accuracy" (and "record-keeping", etc.)

1. Introductory Notes

1.1 In its initial comments, Canada noted that traceability, as stated in this CD1 document, is primarily process-related. As such, there is a need to link this Part 9 Traceability Framework to the ISO/IEC 15944-1 Clause 6.3 "Rules governing process component". It identifies five sets of fundamental activities; namely:

- a) planning
- b) identification;
- c) negotiation
- d) actualization
- e) post-actualization.

Traceability requirements are not "absolute" for activities a), b), and c). They may be for d) and e) depending on external constraints of applicable jurisdictional domains.

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1.2 A primary purpose of Part 9 is to serve as a methodology and tool to support external constraints of a traceability nature of jurisdictional domains. In addition to those of a generic nature (as already identified in Parts 1, 4 and 5 of ISO/IEC 15944), there are those which are added due to external constraints of a privacy protection nature. These apply where a party to a commitment exchange is an "individual".

1.3 There is likely a very great similarity between privacy protection and consumer protection requirements as being applicable to traceability requirements of a commitment exchange nature (as well as other traceability requirements).

2. Considerations for further development of ISO/IEC 15944-9

[Note: These are presented in no particular order]

2.1 Does one need to differentiate between generic external constraints-based traceability requirements in support of commitment exchange:

- a) among Persons in general' and,
- b) those involving an individual?

It is likely that what may be required for where an individual is involved may not be required where the parties to a commitment exchange are solely organizations or public administrations. Nevertheless, organizations or public administrations may well decide to implement them for a "best practices" and/or fiduciary requirements perspective.

2.2 Link to "Process Component of ISO/IEC 15944-1

2.2.1 It is noted that the need for accuracy and integrity of recorded information of a traceability nature increases as one goes from planning, identification and negotiation process components to the "actualization" and "post actualization" elements in a commitment exchange process.

2.2.2 Should one focus Part 9 Traceability on only commitment exchanges which are "actualized, i.e., even if initially only for this 1st edition of Part 9?

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If so, this would make for a simpler approach in that it would include (in summary form) the identification of all rules and “data elements” of a traceability nature pertaining to an actualized commitment exchange.

2.2.3 “Level of traceability”

In addition to 2.2.2 above, an additional aspect needs to be discussed and decided in the context of both the “process component” of ISO/IEC 15944-1 and the concept and definition of “unambiguity”, i.e., as level of certainty required.

It is noted that one may want to consider the introduction of the concept of “levels of traceability” related to “record-keeping” and “defined accuracy” requirements as follows:

Level	Description
0	Not applicable/not required
1	Information provision
2	Decision-taking
3	Commitment-making

Explanation of use of each level

Level 0 = Not applicable/Not required

Recorded information which may be part of the complete set of recorded information pertaining to an actualized business transaction which is not required for traceability purposes of the commitment exchange aspects. However, it may be useful to have recorded information of this be associated with required traceability framework,

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Level 1 = Information provision

Recorded information which supports planning aspects of a commitment exchange, (e.g., recorded information found in a catalogue, or request for proposal (RFP); a request for bid (RFB), etc. {See further 15944-1, Clause 6.3.2}

Level 2 = Decision-taking

This would map to the identification and negotiation elements of the process component, i.e., that parties to an eventual (potential) commitment exchange. This would include specification of the good, service and/or right (which is the goal of the commitment exchange), the unambiguous identification of the parties to the commitment exchange (to their mutual satisfaction), the identification of the good, service and/or right as the purpose or goal of the commitment exchange, etc.

Level 3 = Commitment-making

This would map to unambiguity in record-keeping and defined accuracy, etc., pertaining to "actualization" and "post-actualization" requirements. The "record-keeping" and "defined accuracy" requirements would be the most stringent and meet legal requirements of applicable jurisdictional domain(s).

2.2.4 To conclude, the above are but some of the considerations to be taken into account in the further development of this Part 9 standard.

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