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**LETTER BALLOT SUMMARY**

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**TABLE OF VOTING AND COMENTS RECEIVED**

<b>“P” members</b>	<b>Approve</b>	<b>Disapprove</b>	<b>Abstain</b>	<b>Comments</b>	<b>Not voting</b>
Australia	x			x	
Belgium					X
Brazil					X
Canada	x			x	
China	x				
Czech Republic					X
Denmark					X
Finland					X
France	x				
Germany					X
Hungary					X
Ireland					X
Israel					X
Italy					X
Japan	x			x	
Korea	x				
Netherlands					X
Portugal					X
Romania	x				
Singapore					X
South Africa	x			x	
Spain					X
Sweden	x			x	
Switzerland					X
Thailand					X
UK	x			x (late)	
Ukraine					X
USA	x			x	

**“O” and “L” members voting:**

	<b>Approve</b>	<b>Disapprove</b>	<b>Abstain</b>	<b>Comments</b>	<b>Not Voting</b>
Argentina					X
Austria					X
Cuba					X
Estonia					X
Ethiopia					X
Iceland					X
India					X
Indonesia					X
Iran					X
Kenya					X
Malaysia					X
Mexico					X
New Zealand					X
Norway					X
Philippines					X
Poland					X
Russian Federation					X
Slovakia					X
Turkey					X
Yugoslavia					X
Liaison:					X

<b>Document:</b>	ISO/IEC 19760	
<b>Title:</b>	Guide for ISO/IEC 15288 (System Life Cycle Processes)	
<b>Paragraph, Figure, Table</b>	<b>Comment and rationale</b>	<b>Proposed new text</b>
	Many commas are missing in the text, making it harder to read.	Perform a grammar check.
	System entity is only used 4 times in the standard, and is never followed by a specific or parenthetical phrase of "system-of-interest or system element", probably because "system-of-interest" now mainly appears only in Appendix D and the Glossary. The Guide should either not use "system entity", or use it with out adding the specific or parenthetical phrase to it. No need for	Since in most occurrences the terms "system-of-interest or system element" follow the use of "system entity" it would probably be better just to delete "system entity" in those cases.
Title	Title reads : "WD 19760-Software Engineering-Guide for ISO/IEC 15288." The reference should be to systems and not software. Rationale: this is not a software document.	Ensure title reflects the title of 15288 per the ITTF released FDIS.
1st line	The term "system products and services" is used in several places in the guide. This term is no longer used in the standard.	Change instance to "products and services".
Figure 1, 2, 4, 8, 12	Figure caption is separated from figure by a paragraph or a line from the previous paragraph	Move figure caption directly under the figure.
Figure 1 and 3	The gray shape under the system-of-interest is supposed to represent the project control. It should be labeled as such, especially since this figure 1 is pointed to in 5.2.4 regarding the project	Label the gray shape appropriately (e.g., "project span of control").
Figure 1, 2, 4	Move the text out from between the figure and its caption. Rationale: the caption should be immediately below the figure.	n/a
Figure 2	An important relationship between the technical processes and project processes is missing. Information from the technical processes is used to aid in the planning and assessing of the project. Also, title of figure is ambiguous.	Add an arrow from the technical processes to the project processes and label it "used to determine project planning and assessment". Capitalize "International Standard" in the title and place "the" in front of it.

Paragraph, Figure, Table	Comment and rationale	Proposed new text
Figure 3	The standard uses "product or service" when referring to agreements. This figure should be consistent. Also, arrow placement is awkward, since it covers the words in the oval.	Change the left arrow label to state "Used to acquire a product or service". Change the right arrow label to state "Used to agree to terms of supplying a product or service". Also, reposition arrow to not be on top of
figure 4	ISO 9000 is not the requirements document. Reference is wrong in title of figure 4.	Change to ISO 9001 in figure title.
Par 1, Sent 2	Guide states "The International Standard facilitates commerce by providing the common framework for reaching agreements between organizations and disciplines with respect to developing, using, and managing a system within the life cycle of that system." the standard focuses on agreement between "acquirer and supplier" rather than organizations and disciplines, which is awkward. Also, it is important to point out that it is a life cycle that has	"The International Standard facilitates commerce by providing the common framework for reaching agreements between system acquirers and suppliers with respect to developing, using, and managing a system within the defined life cycle of that system."
Par 2, Sent 4	Guide states "The scope of the International Standard involves systems and their life cycle processes. " This statement is not complete with respect to the important aspects of the scope.	"The scope of the International Standard includes the definition of an appropriate life cycle for a system, the selection of processes to be applied throughout the life cycle, and the application of these processes to fulfill the agreements and achieve customer
Par 3, Sent 1	Sentence is awkward when it ends with the preposition "upon." Rationale: a preposition is not a good thing to end a sentence with.	"... is highly related to the systems upon which it focuses."
Par 3, Sent 2	Sentence is long, and difficult to read and parse. The use of "and/or" contributes to the unnecessary complexity. Break into two sentences. Rationale: sentences should be easier to read.	"Systems include products or services that the organization acquires or supplies as part of its business. In addition, an organization must focus on systems that are utilized to operate its own internal business, as well as those that support or enable system products or services across the life cycle stages."

Paragraph, Figure, Table	Comment and rationale	Proposed new text
Par 3, Sent 3	Guide states "The sum of all of the systems that the organization focuses upon is its system map." This sentence defines a term that is not used in the standard or elsewhere in this guide. The sentence is not needed and adds no apparent	Delete the sentence.
Par 3, Sent 4	Guide states "... can be applied to all types of systems including hardware, software, services, facilities, or humans, as well as combinations thereof. " This list should match the equivalent list in the standard (para 3 of the scope). Also, it should include system elements.	"This International Standard can be applied to all types of systems and their system elements including hardware, software, humans, processes, procedures, facilities, and naturally occurring entities, as well as combinations thereof."
Par 3, Sent 5 (last)	The last sentence is not necessary. It adds no apparent value. It provides an unsubstantiated value judgment about the advantage of the standard without telling how or why.	Delete the sentence.
Par 4	The phrase "system-of-interest" is not written in a consistent manner. In this paragraph (and elsewhere) we have "System-of-Interest", "System of Interest", and "system-of-interest". Rationale: lack of consistency confuses readers.	Change to be consistent with standard.
Par 4, Sent 2	The "etc." at the end of the sentence is in a size of font that is too small. Also, the usage here is different from the standard form of a list as given in Figure 1: S1, S2, ..., Sn. Rationale: It is better to stick with the standard format for such lists.	"... denoted S1, S2, ..., Sn."
Par 5, last Sent	Missing a reference.	"... detail in Clauses 5.2.3, 5.3.1.3, and 6.2.10 of this Technical Report."
Par 5, Sent 1	This sentence is far too long with too many words. (If you have any doubts, read it out loud.) Break it into three sentences. It may also help to provide an example of what one of the types of enabling are. Rationale: improves readability.	"In order to provide needed support to the system-of-interest during its life cycle, a number of enabling systems must be deployed. Each life cycle stage prior to system use (concept stage, development stage, and production stage) may require an enabling system. Enabling systems that cooperate with the system-of-interest during its operations (utilization stage, support stage, and

Paragraph, Figure, Table	Comment and rationale	Proposed new text
Par 5, Sent 1	The use of upper case letters is inconsistent in this sentence, and elsewhere for other terms in the TR. Here the term "enabling system" appears both in upper case and in lower case. This should be avoided. If you want a convention in 19760 that the first time a term that is defined in the Terms and Definitions sections of 15288 or 19760 is used, it appears in some special format or font, then this should be explained. Rationale: consistent usage is less confusing to the reader.	Incorporate an explanation of this convention or remove it.
Par 7, Sent 1	Change "operations/transformations" to avoid the ambiguous use of "/". Rationale: improve	"... to perform needed operations and transformations ..."
Par 7, Sent 2	Guide states "The projects have defined scope, time, and focus." "Resources" is more comprehensive and appropriate than "time". Time is just one of the resources to be managed.	Change "time" to "resources". "The projects have defined scope, resources, and focus."
Par 7, Sent 4	Delete the hyphen in "one-hour". Rationale: correct usage	"... one hour or tens of years."
Par 7, Sent 4	Guide states "The time scale can be of varying duration, for example, one-hour or tens of years." Time is just one of the resources to be managed. This sentence should discuss the resources to be managed.	"Defined resources of the project include time, cost, people, facilities, and materials."
Par 7, Sent 5	Change "and/or" to "or". Rationale: improve grammar	"... system structure or stage partitioning."
Par 8, Sent 1	Guide states "The use of the standard is adapted, via reducing the scope as described ..." The use of the standard does not require adaptation by reduction of scope.	"The use of the standard may be adapted to accommodate the varying project requirements in treating system life cycles. This may be performed by reducing the scope as described in Clause 4.2 and tailoring described in Clause 4.4 of this Technical Report and Annex A of the International
Par 9	This paragraph is somewhat redundant and is not needed.	Delete the sentence and add the following to the last sentence of para 7: "...Report, and system life cycle concepts are described in

Paragraph, Figure, Table	Comment and rationale	Proposed new text
Par 10	Additional description of enterprise and project processes and their interactions is warranted for reader understanding.	Add the following sentences: "Enterprise processes provide enabling resources and infrastructure that are used to create, support, and monitor projects and to assess project effectiveness. The project processes ensure that adequate planning, assessment, and control activities are performed to manage processes and life cycle stages. "
Par 11	Guide states "Appropriate processes are selected from the Technical Processes and used to populate projects in order for the project to perform life cycle related work." The processes are used to populate project plans or are used to plan and assess the projects. The current wording is awkward and incorrect.	Replace with a sentence that reflects the intent of the 3 arrows from the technical processes box in figure 2.
par 12	Rewrite first sentence. It is confusing as worded and punctuated. As worded, it sounds as if the agreements are not used between projects in the same organization.	"Projects may need to establish relationships with other projects within the organization, as well as those in other organizations."
par 13	Rewrite first sentence. The processes of 15288 will help with more than just Product Realization and not sure what context this sentence is referring to. The paragraph needs to be moved up to precede the figure.	Application of the system life cycle processes of ISO/IEC 15288, as described in the International Standard and this Guide, complement the process approach taken in ISO 9001:2000 and illustrated in Figure 4.
par 14	Delete this paragraph. A mapping is much more detailed than given here and as stated there is no value added. If other countries have more of a requirement for a mapping, we can do that, but not as is here.	Delete paragraph.
	Include Introduction and Forward into the TOC. Rationale: they are parts of the document.	n/a
*Purpose	Need to indicate that the lists and examples are not meant to be exhaustive.	Add a statement to indicate lists are exemplary and not intended to be exhaustive.

Paragraph, Figure, Table	Comment and rationale	Proposed new text
Par 2	Guide states "This Technical Report is applicable to large and small systems, systems requiring large and small project teams, and new and legacy systems. The guidance contained herein can be tailored as appropriate to the system size, project staffing or system type using guidance in Annex A of the International Standard and Clause 4 of this Technical Report." Current wording is difficult of follow.	"This Technical Report is applicable to systems and projects of various size and type. The guidance contained herein can be tailored as appropriate to the system and project size and type using guidance in Annex A of the International Standard and Clause 4 of this Technical Report."
Par 4	This paragraph does not discuss the guides provision of application guidance and notes.	"This technical report does not provide the rationale for the requirements of the International Standard. Rather it provides application guidance, including life cycle considerations and process model
Par 2	This single sentence paragraph is more related to purpose, since it discusses the intent of the	Move paragraph to clause 1.1 and add as 2nd sentence of paragraph 1.
ISO 9000 reference	Change to ISO 9001. ISO 9000 is not the requirements document.	ISO 9001 Quality management systems-- requirements
ISO/IEC 15504	Change the name of ISO/IEC 15504 since it is wrong. It may change more in the revision.	ISO/IEC 15504 Software Process Assessments
Par 1	Text provided is not necessary.	Delete the text and only provide the
combined system entity and system entity	The standard has eliminated the term system entity. These terms should not be used in the guide.	Delete these definitions.
work product	Change "and/or" to "or". Rationale: improve grammar	"... , hardware or software configuration item, ..."
work product	"Waste material" is not actually a work product.	Remove "waste product" from the list in the defintion. "an outcome related to performing an activity or set of tasks. Examples of a work product include a paper report, digital data, hardware or software configuration item, or procedure document."

Paragraph, Figure, Table	Comment and rationale	Proposed new text
a)	Guide states "a) A specific project can use the International Standard for engineering or re-engineering a system-of-interest, one of its system elements or one of the related enabling systems." the project can also use the standard for operating, supporting, and retiring the SOI. Also, the standard is applied to SOIs. When necessary to take action on a system element or enabling system, it becomes the SOI. Thus, no	a) A specific project can use the International Standard for engineering, utilizing, supporting, or retiring a system-of-interest."
b)	Guide states "b) An organization can use the International Standard for conducting the operation of one of the system life cycle stages." The organization could apply this to more than one stage.	b) An organization can use the International Standard for conducting the operation of one <u>or more</u> of the system life cycle stages.
c)	Grammar is awkward; break into two sentences and simplify. Also, a domain organization would use the standard, not the domain itself. Rationale: improves readability and is more accurate	"A domain organization or other organization can use the International Standard for developing domain-specific or organization-specific standards. These may address the engineering of systems, the management of engineering activities, or the operation of one of the system life cycle stages."
Figure 5	Several changes needed to make the figure correct.	<ol style="list-style-type: none"> <li>1) Change arrow label "scope reduction" to read "scope definition".</li> <li>2) Change box labeled "SLC Stages(s)" to "Project".</li> <li>3) Change box labeled "timeline(s)" to "schedules" and change arrow to be a constraint arrow.</li> <li>4) Add a bullet (dot type) under the Application box for procedures.</li> <li>5) Add a bullet (dot type) for "stages" in the "Life Cycle Model(s)".</li> <li>6) Remove "(s)" in the box labels.</li> <li>7) Ensure each box has a relevant label.</li> </ol>
Par 1, Sent 4	Hyphen is missing in adjective phrase between "organization" and "specific"; add it. Rationale: correct usage	"... to provide organization-specific, standardized processes and ..."

Paragraph, Figure, Table	Comment and rationale	Proposed new text
Par 3, Sent 1	Change "is" to "may be", and add missing possessive form or reword accordingly. Rationale: currently it reads like a general description of the International Standard, which is incorrect. Also, a reduction in scope does not	"The organization may adapt the International Standard to fit its strategic plans."
Par 3, Sent 2	Reword second sentence. Confusion between names of processes and stages. Also, this is an awkward run-on sentence. Rewrite.	For example, if an organization that does development is not involved in the utilization, support, or retirement life cycle stages, then the scope of the International Standard would be reduced. The policies and procedures called for in the non-applicable parts of the International Standard would not be included in the organization's policies and procedures.
Par 4, 3rd dash	Why limit the decision making to only project investment? This could apply to other decisions.	Delete the words "project investment" from this item. "the life cycle model and related exit criteria used by the organization for decision making and establishing milestone reviews of a project."
Par 4, Last dash	Why limit to only financial assets rather than all resources? This could apply to other resources. Change will make it agree with figure 5.	Change "financial assets" to "resources". - "the resources the organization is willing to commit."
Par 5, Sent 2	Guide states "Planning the work of the project is dependent on: 1) the team structure required by organization policy and procedures or by the acquirer; 2) the specific model to be used for doing the engineering or re-engineering; and 3) established timelines for the work resulting in an agreement ..." Need to clarify in item 2) that this is a reference to the life cycle model and that it can apply to operations, support and retirement. Item 3) applies to all resources, not just time.	"Establishing the agreement and planning the work of the project is dependent on: 1) the team structure required by enterprise policy and procedures or by the acquirer; 2) the specific life cycle model (as stated above) to be used for performing the processes of the life cycle; and 3) the resources and schedules established."
a) - g)	The phrase "can include the following possibilities" is not needed at the end of each item, since the lead sentence prior to these items stated "the following are examples of items to	Delete the phrase "can include the following possibilities" at the end of each item

Paragraph, Figure, Table	Comment and rationale	Proposed new text
b)	Items 1) and 2) should reflect both products and services to be consistent with standard and reality.	1) Intended users or customers of the work products, applicable system-of-interest, system elements, or services. 2) Other interested parties who have an interest or stake in the products or services.
b)1); c)2); d)1); g)3); Final par, Sent 4	Change "and/or" to "or". Rationale: improve grammar	b)1): "... the work products, or applicable system-of-interest or system element." c)2): "... the end of the project or at specific milestones." d)1): "... or automated." g)3): "... system-of-interest or system element, or other work product requirements and constraints; ..." Final par Sent 4: "... implementation
d) 1)	This should also apply to hardware-centric technologies.	"Systems technologies that are centered on software, hardware, or humans."
d)3)	Add hyphens to "one of a kind". Rationale: adjective use requires hyphens. Note: it is somewhat unclear how the adjectives "one-of-a-kind", "replicated" and "mass-produced" apply to	"... such as one-of-a-kind, replicated or mass-produced."
f)	Subitems are identified as letters rather than numbers. Also, the 2nd subitem should include planning and assessing the work packages.	"How work packages will be planned, assessed, and controlled."
g)1)	Change "expectations/concerns" to eliminate slash. Rationale: eliminate awkward construction.	"... usability expectations or concerns."
g)3)	"organization" is not an adjective. Rationale: correct word usage	"Core organizational technologies ..."
g)3)	It is unclear what the phrase "quality in use" means or how it applies to "information." Rationale: improve understandability.	Change to "captured, stored and controlled."
g)4)	The listed life cycles stages in the parentheses are not correct.	"(e.g., concept, development, production, utilization, support, and retirement)"
g)6) and 9)	Item 6) is already covered in item 2) and item 9) is already covered in item 4). These 2 items are not needed.	Delete item 6) and add "risks" to the list in item 2). Delete item 9) and add "deliverables" to item 4) to read "expected outputs and
Last par, Sent 2	Change "and/or" to "and". Rationale: improve grammar	"... the project management and the operations management planning ..."
Par 1, Sent 2	Change "and/or" to "or". Rationale: improve grammar	"... the business strategy or kind of business ..."

Paragraph, Figure, Table	Comment and rationale	Proposed new text
Par 2, Sent 3	Change "and/or" to "or". Rationale: improve grammar	"... mature project or organizational efforts ..."
par 3	Delete "this Technical Report" from last sentence. Since this is information only, discussion of tailoring seems inappropriate. Phrases also out of place.	Careful consideration should be given to dropping factors of the International Standard that do not add value to the process, system-of-interest or system element.
Par 3, Sent 2	Add comma between "costs" and "and". Rationale: easier to read	"... to avoid unnecessary costs, and consider ..."
Par 4	The term "compliance" should not be used to mean conformance. Need to be consistent with	Change "compliance" to "conformance".
*whole clause	Much of 4.4.1 is an overlap with 4.3.	Review the 2 sections and remove any unnecessary overlap.
b)	Change "and/or" to "and". Rationale: improve grammar. The three items can be considered in tailoring.	"... operational scenarios, and operational concepts ..."
d)	Awkward grammar in last part of sentence, and meaning is unclear. It is hard to understand how the existence of quantitative data relating to constraints and risks would be a consideration in tailoring. Delete latter part of sentence. Rationale: improve understandability.	"Empirical data that describes the constraints and risks that could affect the engineering effort, including budget, resources, competition and schedule."
*Title	Reword. As is, title of this section is in conflict with first sentence of para 2.	4.4.2 Tailoring guidance Change first sentence of para 2 and move to end of 4.4.1 "Additional tailoring considerations can be found in the conformance requirements of Clause 2 and Annex A of the International Standard." Move the 2nd sentence of paragraph 2 to para 1 as "To aid tailoring ..."
b), Sent 3	Sentence is difficult to parse; improve structure of sentence. Rational: make less difficult to read.	"... can be required by an agreement, or they can be required by the nature of the project,

Paragraph, Figure, Table	Comment and rationale	Proposed new text
c)	The paragraph as written is confusing and wrong. According to the standard (2. Conformance) there are two forms of conformance, full (2.2) and tailored (2.3). Tailored conformance permits tailoring in accord with Annex A (Tailoring). According to Annex A (A2.1.2 g1)), life cycle processes may be modified, including purpose and outcomes. Here in the guide, the statement made is that process outcomes cannot be tailored and still remain in compliance (= conformance?) with the IS. To be correct, it would seem, this discussion in the guide should refer to 2.2 on full conformance and not 2.1, and the points in this section should be made with regard to full conformance only, not "compliance". In the standard (Note to 2.3), "compliance" with an agreement is in contrast to "conformance" with the standard. It makes no sense, then, to speak here of "conformance with the IS compliance	Delete the second and last sentences.
g), Sent 1	The first sentence is too long. In addition, the meaning of the sentence is somewhat unclear. Break into two sentences, and make the result more understandable. Rationale: make easier to read.	"Requirements related to activities and tasks involving specialty engineering and functional disciplines may be integrated in appropriate processes. These processes include requirements (special requirements, or critical project and system requirements), and life cycle stage exit criteria (e.g. safety, ..." This needs more work.
g), Sent 2	Change "and/or" to "and". Rationale: improve grammar.	"Specialty and functional plans ..."
h), Sent 1	Change "and/or" to "or". Rationale: improve grammar	"... the source of additional process or activity requirements ..."
Par 2	The term "compliance" should not be used to mean conformance. Need to be consistent with	Change "compliance" to "conformance".
b)	"line in/line out " is not common terminology.	b) Where tailoring does not need to be formally documented, an annotated copy of the standard showing additions and deletions

Paragraph, Figure, Table	Comment and rationale	Proposed new text
New item	Use of a requirements data base could also be used to document tailoring.	Add an item d) for a requirements data base.
Par 1	1st sentence does not address use of tailoring documentation for assessment. It also does not discuss the retention of tailoring records.	"... for the benefit of all who must execute or assess the resulting ... Tailoring records should be established and maintained."
All	This subclause is no longer consistent with Annex D, figure D.4 and terminology of the Standard due to changes in the standard. Delete "system entity whether a".	Rewrite this paragraph to agree with the changes in the standard and include correct figure references and concepts.
Par 3, Sent 1	Remove "and/or" from sentence and improve readability. Rationale: improve grammar.	"Each system entity, whether a system or system element, is made up of man-made and natural elements."
All	Rewrite this section to be consistent with the revised section in the standard and with paragraph #5 in the Introduction of this Guide. Avoid process names in the types of enabling systems.	Change "subsystem" to "system element" to agree with the current version of the standard and the previous paragraph of the guide. Change "operations" to "utilization" in the figure and text.
Bullet 2 after figure 6	Change "and/or" to "and". Rationale: improve grammar.	"... give rise to functional and physical interface requirements."
Figure 6	Under System-of-Interest, the term "subsystem" has been introduced, which does not agree with previous paragraph or the standard.	Change "subsystem" to "system element" to agree with previous paragraph.
Last sentence	Sentence is extremely awkward. Improve the wording and simplify the sentence structure. Rationale: improve grammar	"An enabling system may impact or be impacted by a system-of-interest."
Par 1, Sent 3	Change "system-of interest" to "system-of-interest". Rationale: hyphen is missing.	insert hyphen.
Par 2, Sent 2	The payroll itself is not a system.	Change to "payroll processing network".
par 4	Rewrite last sentence. Figure reference is no longer correct, needs to be updated to current words in standard.	Figure D.5 in the International Standard suggests this interacting relationship between a systems -of-interest and its enabling
Par 4, Sent 4	In "enabling systems functions", the possessive form is not used. Rationale: possessive form is	"... enabling system's functions ..."
par 5	The last bullet states "the definition of system boundaries that establishes interfaces that must be managed." Grammar clean-up needed.	"the definition of system boundaries that establish interfaces requiring management.

Paragraph, Figure, Table	Comment and rationale	Proposed new text
par 5	In Figure 6, no "interacting relationships" are shown.	Change lead-in sentence to "Figure 6, together with Figure D.5 in the International Standard, illustrate"
Par 2	Change "organization" to "enterprise" because that's what the next heading reads.	The execution of a project typically gives rise to relationships in three dimensions-- enterprise, project and enabling systems.
end of para	ISO 9000 reference is not needed.	Delete reference to ISO 9000. "... by a project for external customers."
Par 1	Additional description needed regarding forming and documenting the agreement between the project and the enterprise.	Add the following as a 2nd paragraph under 5.3.1.1. "The project plan is often used as a basis of an agreement between the projects and the enterprise."
Bullet 2 after Figure 7	Change "and/or" to "and". Rationale: improve grammar.	"... system elements, humans, and environments."
Bullet 5 after Figure 7	Change "and/or" to "or". Rationale: improve grammar	"... the related stage entry or exit decision criteria. ..."
par 1	Remove "of concern" in first sentence and replace "concern" in second sentence. In general, "concern" connotes "worry" and is not	The second dimension is the relationships between ... . This dimension is managed through agreements ...
Par 1, Sent 3	Change "and/or" to "and". Rationale: improve grammar.	"... the problem to be solved and work to be done ..."

Paragraph, Figure, Table	Comment and rationale	Proposed new text
par 1-4, figure 7	Rewrite. The title of the section is "Project relationships", but this speaks only about enterprise relationships? The term "team" introduces an unneeded distinction within the hierarchy of figure 7. Replace paragraphs 1-4 (down through paragraph starting with "A fifth kind ...") and figure 7. See attached new figure 7 and recommended rewrite.	"The second dimension involves project relationships, which can exist between a project and organizations, enterprises, other projects, and subprojects. These relationships are managed through formal or informal agreements in accordance with organizational or enterprise policies and procedures, as appropriate. Depending on the type of project relationship involved, agreements may exist within a single enterprise, or may span enterprise or organizational boundaries. Within the enterprise the agreements may be between a project and the enterprise, between multiple projects, or between a project and its subprojects. Agreements provide a mutual understanding of the problem to be solved, work to be done, established constraints, deliverables, and clearly defined
Par 4	The dashed items apply to enterprise and enabling system relationships, as well.	Move the paragraph starting with "Regardless..." and the set of dashed items to follow the discussions of all 3 dimensions, as Clause 5.3.1.4.
Figure 8	Figure 8 does not adequately covered the span of interest and span of control of the project, as well as the relationships.	See attached diagram.
Note	Delete note because it is not correct. If the project and enabling system elements are removed from the figure, all you have left is systems-of-interest at all levels. Also, elements	Delete note.
Par 1, last Sent	Guide states "... to reduce risk and to ensure a sound and financially rewarding system". The system does not need to be financially rewarding, only financially effective (i.e., cost-effective).	"... to reduce risk. "

Paragraph, Figure, Table	Comment and rationale	Proposed new text
Par 2, Last 2 Sentences	"five to 40 years" and "five or less years" implies precision that may not be warranted.	"Economics and market forces, as well as novelty, complexity, and operational stability affect the length of a system life cycle. Some systems have life cycles that are decades long (e.g., aircraft, satellite, ship) and some are very short (e.g., instruments, consumer
par 3	Rewrite to be consistent with stage names. Doesn't match standard, and while these are examples only, consistency just avoids confusion.	A typical system, however, progresses through a common series of stages where it is conceptualized, developed, produced, utilized, supported, and retired.
Par 5	The purpose of the life cycle is to define what needs to be done at what times and provide a tool to assess progress, identify risks, and determine where control actions are needed. Some rewording of the paragraph is needed to achieve this.	"Thus, the purpose of the system life cycle model is to define 1) the stages that a system typically progresses through, 2) enabling systems that are needed for each stage to enable the objectives of the stage to be met, and 3) specific life cycle stage attributes such as producibility, usability, supportability, and disposability that need to be specified and
Par 6, Sent 2	The sentence is on the edge of being ungrammatical and is difficult to parse. Rationale: eliminate long sentence, complex structure, wordiness.	"In addition, there are models to guide the engineering of a system for a specific system life cycle stage, and to provide information related to decision-gate requirements."
Last paragraph, Sent 2	Change "and/or" to "and". Rationale: improve grammar.	"... the process activities and their tasks; ..."
par 1	Change "system" to "process" at end of last sentence, since that is what 15504 does.	The processes in the International Standard also provide a reference model for process assessments under ISO/IEC 15504.
par 3	Rewrite first sentence. The process model is generic and is OK that way.	Figure 11 illustrates example inputs and outputs of processes.
5.5.2.1 and 5.5.2.2	Reorder sections to be consistent with the order of processes in the standard.	5.5.2.1 Agreement processes, 5.5.2.2 Enterprise processes
Par 2, Sent 2	Add "an" to make sentence read properly. Rationale: word is missing.	"Each process has its specific purpose and outcomes, and an associated set of activities."

Paragraph, Figure, Table	Comment and rationale	Proposed new text
Par 3	Improve word order to make more readable, and change "and/or" to "or". Rationale: better grammar	"When considering a new project, small organizations need to ... described below, and decide which processes give significant cost benefit or risk reduction."
Bullet 3; bullet 6	"organization" is not an adjective. Rationale: correct word usage	"ensure that organizational policies and procedures ..."; "... for delivery to the organization's customers ..."
par 1	Last sentence not consistent with standard. Last sentence is not needed, if services are covered in the first sentence.	Revise first sentence to "...and acquiring its related enabling systems and services." Delete second sentence. Consider combining the 1st and 2nd paragraphs into a single paragraph rather than having 2 single
Par 2	The words added at the end of the sentence ("and closing out the agreement") are ambiguous and make the sentence difficult to read and understand. Is it (i) the basis for closing ...; (ii) for initiation of closing ...; (iii) to enable closing...; or something else? Rationale: eliminate unclear sentence structure.	Convert the words attached to the end of the sentence into a second sentence, and clarify the intended meaning.
par 2, sent 1	"Engineer or reengineer" the system does not cover the processes across the whole life cycle. It would be better to use the stage names for accuracy and consistency with the standard.	Change "engineer or reengineer" to "engineer, utilize, support, or retire".
Par 1, Sent 1	"organization" is not an adjective. Rationale: correct word usage	"... an agreement and organizational directives."
Par 1, Sent 2	Change "and/or" to "or". Rationale: improve grammar	"... plans and requirements for the system-of-interest, system element or service are addressed; ..."
par 2	Eliminate "engineering and re-engineering" and consolidate the remaining sentences because the project processes are not restricted to only those types.	delete "engineering and re-engineering"
Par 2, last sent	The phrase "stage manager" should be eliminated. Rationale: This sounds too much like a reference to someone from the theater. Find some other descriptive phrase. Perhaps the phrase "stage requirements" should be avoided,	delete "by a stage manager".

Paragraph, Figure, Table	Comment and rationale	Proposed new text
par 2, sent 2	"doing" is not the best choice of words. "Performing" or "executing" is better.	Replace "doing" with "performing". "These processes also apply when performing enterprise processes ..."
Par 1	production is missing from the list of stages and activities. Rationale: The technical process for implementation involves production aspects. The life cycle stage of production should not be omitted from the description of the technical	Rewrite paragraph as "The technical processes are applicable across all life cycle stages."
par 2	Delete "system" and add "technical" in first sentence. If the technical processes are to be broken into 2 categories, reference should still be made to them as technical processes and the word "system" is not needed as per first paragraph.	"The following technical processes are applicable for any stage of the system life cycle to engineer a system or its system elements and related services: Definition of Stakeholder Needs, Requirements Analysis, Architectural Design, Implementation, Integration, Verification, Validation, and
par 3	Disposal includes deactivation and removal of legacy systems. It is not clear that the last sentence includes this portion of disposal. Also, the sentence is too long as written.	"The other three technical processes (Operations, Maintenance, and Disposal) are used during any system life cycle. Operations and maintenance functions are performed, as applicable, with respect to a particular version of the system or a system element. Disposal includes the deactivation of legacy systems and the removal of those systems, as well as unwanted wastes, by-products or spent products of a system-of-interest or a system
Sent 1	Put spaces around the hyphens; otherwise when you read it you see the phrase "application-recursive" as an adjective. Rationale: correct punctuation	"Two forms of process application - recursive and iterative - are essential ..."
Figure 12	Move the text out from between the figure and its caption. Rationale: the caption should be immediately below the figure.	
c), Sent 1	Change "and/or" to "or". Rationale: improve grammar	"for the application of a method or tool ..."

Paragraph, Figure, Table	Comment and rationale	Proposed new text
6.1 and 6.2	Subclause 6.2 does not adequately address all of the technical processes (operations, maintenance and disposal). It either needs to clarify the exclusion of the the missing technical processes or the they need to be added.	Add the following sentence as the 2nd sentence in 6.2: "This is limited to only the technical processes that are primarily applied for engineering a system. "
Figure 14	The box above Software Development has no arrows attached to it. We think it needs a dotted line to the arrow between Architectural Design and Software Development. Rationale: Needs to be connected to rest of Figure 14.	Draw a dotted line to the adjacent vertical arrow.
Figure 14, note 1	Correct the run-on: "14Operation" Rationale: correct a typo	"... are not shown in Figure 14: Operation, ..."
Par 4 after bullets, Sent 2	Sentence that goes on for 5 lines is too difficult to parse and understand. Rationale: improve readability	"There are three items that influence which architectural design descriptions are needed: first, the level of the system entity within the overall system structure; second, whether the element is the system-of-interest of the system structure, or a system element within that structure (e.g., subassembly, line replaceable unit (LRU), component or part); and third, whether the system element is singularly made up (e.g., hardware, software, a facility, data, material, process or technique, service, human procedure) or is a combination of two or more singular parts."
Second bullet	Make the two forms in the bullet separate bullets. Rationale: improve grammar; the phrase "one or more" is used to introduce this list	"- data flow diagram ... for each function; - data structures with their functions, and processing flows ..."
Last sentence	Change "and/or" to "or". Rationale: improve grammar	"... its original stakeholder requirements or expectations."
Last paragraph, Sent 1	Change "and/or" to "and". Rationale: improve grammar	"... prior to ... validation and delivery of the system entity ..."

Paragraph, Figure, Table	Comment and rationale	Proposed new text
Par 1, Sent 1	To understand this long sentence is a great challenge to the reader. Split into two sentences. Correct "system-of interest". Rationale: improve readability.	"The Verification Process includes activities related to meeting requirements, as performed on (or in relation to) each system element (or the level 1 system-of-interest). The purpose of verification is to establish a correspondence between the performance and characteristics of the realized system entity (system element or system-of-interest) and the requirements (and other configuration documentation) in accord with which it was integrated."
First bullet	Change "and/or" to "or". Rationale: improve grammar	"validation against acquirer or applicable interested party requirements ..."
Par 1, Sent 1	Change "and/or" to "and". Rationale: improve grammar	"... with respect to stakeholder requirements and agreement requirements."
Figure 16	Figure 16 separates the operations, maintenance, and disposal processes from the rest of the technical processes. This is not needed on a contextual basis of the subclause 6.3.	In Figure 16, delete the "(See Figure 14)" from the Technical Processes box and eliminate the three other boxes on the right.
Figure 17	Figure 17 separates the operations, maintenance, and disposal processes from the rest of the technical processes. This is not needed on a contextual basis of the subclause	In Figure 17, delete the "(See Figure 14)" from the Technical Processes box and eliminate the three other boxes on the right.
par 3	Add "and information management" to the 5th sentence and delete " being engineered" to be more broad as to what the Tehcnical Processes cover. Information mgt is included in figure 17, but is missing in the text.	The project processes of assessment, control, decision making, risk management, configuration management, and information management are used to monitor, control, and assess the techical process outcomes to be able to keep work within acceptable cost, schedule, and risk, to meet performance requirements for the system-of-interest or
Par 3, Sent 4	Change "and/or" to "or". Rationale: improve grammar	"... by the state of the system or the system description."
Par 3, Sent 5; Figure 18	"organization" is not an adjective. Tense of verb in sentence 5 is incorrect. Rationale: correct word usage	"... , often has a unique organizational life cycle model ..." Actually, an adjective may not be needed at all -- "a unique life cycle model". Title at top of Figure 18 should be "Organizational Model".

Paragraph, Figure, Table	Comment and rationale	Proposed new text
Title	Change these titles from "General" to "Overview" to be consistent with the other chapter sections.	7.1 Overview, 8.1 Overview
list	Add technical risks and risk of technical obsolescence as items (f) and (g). Rationale: these are key considerations in many system development activities.	"f) Technical risks could be present. g) Technical obsolescence could arise during a long development."
Table B.1	The description for dependability is weak. Does it include requirements and guidance for reliability and maintainability?	IEC 60030 provides "dependability" as a collective term for product characteristics that encompass all aspects of availability performance and its factors of reliability performance, maintainability performance, and maintenance support processes. The term is deliberately non-quantitative.
Table C.10	First note uses both "measures" and "metric". "Measure" should be used to be consistent with ISO/IEC 15939.	Change "metric" to "measure".

National Body ID	ID	Category (TH, TL, E, G)	Clause, Sub-clause	Paragraph, Figure, Table	Comment and rationale	Proposed new text
ZAR	1	E	2		ISO/IEC 15504 Software assessments	Replace with 'ISO/IEC 15504 Software Engineering — Process Assessment'
ZAR	2	E	Annex C		The table headers do not flow through to the next page activate the heading rows repeat function	
ZAR	3	TH	Annex D		The names of input output documents is interesting but not especially helpful.	Each document name to be supported by a list of key attributes. Refer to ISO/IEC TR 15504-5 Annex C for illustrations of what could be

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				<b>Vote:</b>	<b>Approve, Disapprove, Abstain</b>	<b>Guide for 15288 SyLCP</b>
<b>National Body ID</b>	<b>ID</b>	<b>Category (TH, TL, E, G)</b>	<b>Clause, Sub-clause</b>	<b>Paragraph, Figure, Table</b>	<b>Comment and rationale</b>	<b>Proposed new text</b>
JPN	1	TL	Introduction	Figure 1	Figure 1 shows only a case that a single organization including multiple projects can use ISO/IEC 15288. But we should explain that a single project which is joined by multi companies/organizations also can use the ISO/IEC 15288, because it is so much useful and important case of ISO/IEC 15288 application.	We should add the following text in the Figure 1 caption: "A single project may involve multiple organization, which is a multi companies/organizations joint project. A project managing group in such joint project can use ISO/IEC 15288 to communicate and establish interfaces among jointed several
JPN	2	TL	3	The definition of work product	1) It is unreasonable to include in "work products" something to be thrown away. The word "waste material" should be deleted. 2) An "outcome" should be changed to the other terms, because an "outcome" does not mean products only in ISO/IEC 15288. An "outcome" is reserved term for representing performance of process in life cycle processes 15288 and revised 12207.	<b>3.4 work product</b> <b>an output product</b> related to performing an activity or set of tasks. Examples of a work product include a paper report, digital data, hardware and/or software configuration item, or procedure document
JPN	3	TL	3	The definition of work product	We described that "waste material" is to be analyzed form views of special factors in clauses which are B2.2 Health and B2.5 Safety in this document. If we should considerably take care of managing a disposal of "waste material" in this "Guide for ISO/IEC 15288" and its guide, we should to define "waste material" as the by-product and to explain its potential damage to human health and life, property and the environment. Then, we should add such a proposing text.	<b>3.5 waste material</b> By-product which is not intended to be produced by any performed process and not needed to any other relating processes as its input. NOTE: A waste material may include material which is residual as the results, in spite of it being initially intended to be produced for use. A waste material as well as by-effect such a electromagnetic radiation, heat and noise emissions may have risks of potential damage to human health and life, property and the environment.

National Body ID	ID	Category (TH, TL, E, G)	Clause, Sub-clause	Paragraph, Figure, Table	Comment and rationale	Proposed new text
JPN	4	G	4.1	1st sentence	<p>The first sentence should be changed to "can be used for a variety of cases and scopes" because the reason of its use may be the same (improvement of quality, etc. of a project), but it is used in different cases and scopes.</p> <p>The International Standard can be used for a variety of reasons.</p> <p>-&gt; The International Standard can be used for a variety</p>	The International Standard can be used for a variety of cases and scopes.
JPN	5	TL	4.1	c)	We should list up a important case that a multi companies/organizations joint system project can use the International Standard 15288.	We should add the following text: "d) A management group of a multi companies/organizations joint system project can use the International Standard as a project's common process standared to communicate well and to work together with well-defined interface of purpose, outcomes, processes, activities and tasks." "
JPN	6	G	4.3 g)	4.3 g) Requirements and constraints can include the following possibilities.	"11) Environment , recycling, and reuse issues" should be added as this has become highly important in any industrial projects.	Addition of "11) Environment , recycling, and reuse issues."
JPN	7	TL	5.4	The 2nd sent. of paragraph under Fig. 10	Fig 10 is misleading because Utilization Stage and Support Stage are separated though in realty the latter begins soon after the former is started. The second sentence should be changed to "The stages defined, although drawn as discrete, are not only interdependent, but also overlapping in most cases."	The stages defined, although drawn as discrete, are not only interdependent, but also overlapping in most cases.

National Body ID	ID	Category (TH, TL, E, G)	Clause, Sub-clause	Paragraph, Figure, Table	Comment and rationale	Proposed new text
JPN	8	TL	6.2.8	para 1	Additional information should be described for "Transition process". The current description is so few that a user of this document can not get helpful explanation about "Transition process".	We should add the following text: "A verified system entity may be installed together with relevant enabling systems. An enabling system for training may be developed and trainings for end users and/or operators may be provided. A strategy for transition may include: - Alpha release for some selected piloting site to continue a verification and a validation; - Beta release of a verified system for widely distributed site to continue a validation."
JPN	9	TL	8.2	2nd para.	It is difficult to understand the situation of IS direct applicaion case. We should describe an example.	We should add the following text just after the fist sentence: "For example, a management group of a multi companies/organizations joint system project can apply directly the International Standard as a project's common process standared to communicate and to work together well."
JPN	10	E	Annex A	Figure A.1	"tier" should be changed to "level" to help reader's comprehension. Figure A.1 illustrates... Then a second tier of standards provides similar or alternative activities for implementing the processes. Finally a third tier of standards could provide the detailed tasks that are required to implement the activities. -> Figure A.1 illustrates... Then a second level of standards provides similar or alternative activities for implementing the processes. Finally a third level of standards could provide the detailed tasks that are required to implement the activities.	Then a second level of standards provides similar or alternative activities for implementing the processes. Finally a third level of standards could provide the detailed tasks that are required to implement the activities.

National Body ID	ID	Category (TH, TL, E, G)	Clause, Sub-clause	Paragraph, Figure, Table	Comment and rationale	Proposed new text
JPN	11	E	Annex A	Figure A.1	The following numbered standards appeared in the Figure A.1 are not easy for readers to comprehend: Activity level detail from a 2nd standard; Activity level detail from a 3rd standard; Task level detail from a 4th standard; Task level detail from a 5th standard.	We should add the following text in the Figure A.1 caption: "For example, 5 different kinds of standards can be applied to detail activities and tasks provided from ISO/IEC 15288."
JPN	12	E	Annex B	Annex B.4	There is none of text in clause B.4 "Special factor references".	1) We should add below title of B.4 "Special factor references are shown in the following table, but not limited to these." 2) Change title of Table B.1 from "Table B. 1 – Specialty references" to "Table B. 1 Special factor references"

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<b>National Body ID</b>	<b>ID</b>	<b>Category (TH, TL, E, G)</b>	<b>Clause, Sub-clause</b>	<b>Paragraph, Figure, Table</b>	<b>Comment and rationale</b>	<b>Proposed new text</b>
CAN	1	E	Introduction		The second sentence refers to International Standard.	Text similar to 1.1 should be added at the beginning of the introduction
CAN	2	TL	Introduction	Para 3	The term "system map" is introduced and not referred to anywhere else.	Delete that sentence
CAN	3	E	Introduction	Para 4	etc. in the enumeration S1, S2, ... should not be subscripted	
CAN	4	E	Introduction	Page viii - last para	"relationships with projects,"	"relationships with other projects"
CAN	5	TL	Introduction		Introduction is out of place. We jump right in before we understand why we are here.	Recommend moving Introduction to after Section 3 Term(s) and definition(s)
CAN	6	TL	Introduction	Figure 1	Out of place - before it can support its related text	Move figure 1 down the page to after paragraph 3.
CAN	7	TL	Introduction	para 4	Clarity	When an organization applies the standard to a particular system, that system becomes the system-of-interest.
CAN	8	TL	Introduction	para 5	Clarity	A number of enabling systems are deployed throughout the system-of-interest's life-cycle to provide it with support as needed. For example, concept stage enabling systems, development stage enabling systems, production stage ...
CAN	9	TL	Introduction	para 5	" an enabling system has its own life cycle and in instances of applying the international standard..." - Inconsistent with standard, section 4.5, note 2 "...the international standard is applicable to each enabling system when, in its own right, it is treated as the system-of-interest"	It is important to note that when an enabling system has the organizational focus as the system-of-interest the standard applies to it as well.
CAN	10	TL	Introduction	para 10	"The four process categories of the international standard as well as the primary relationships between the categories are portrayed in Figure 2" can be seen as inconsistent with the Standard D.3.2.3 Enterprise Processes - " The Enterprise Processes are typically concerned at a strategic level..." and "Responsibility for these processes is typically at the highest level in the organization"	The four process categories of the internal standard as well as the primary relationships between the categories with regard to projects are portrayed in Figure 2.
CAN	11	G	Introduction	All Figures	Caption out of sync with figures	Reposition figure captions to be directly underneath their figures

National Body ID	ID	Category (TH, TL, E, G)	Clause, Sub-clause	Paragraph, Figure, Table	Comment and rationale	Proposed new text
CAN	12	TL	5.2.4	para 1	There is a reference to figure 1 in the Introduction. This figure should be brought here.	
CAN	13	TL	5.3.1	last sentence	"three dimensions - organization, project and enabling systems" The next clause 5.3.1.1 talks about "enterprise relationships"	Either change the title of the next clause or expand the sentence to explain here organization/enterprise relation
CAN	14	TL	5.5.2.1	para 4	can the examples of other enterprise processes be provided?	
CAN	15	TL	4.4.1 Tailoring Considerations	para 1	Clarity. "The objectives and requirements of an agreement can scope the depth and breadth of international standard use".	The objectives and requirements of an agreement can establish the scope of use of the International Standard (on a project)?
CAN	16	TL	5.2.3 Kinds of Systems	para 2	"... provides operating capabilities and does the operational functions..."	"...provides operational capabilities as well as the operational functions"
CAN	17	E	5.3.1.1 Enterprise relationships	para 1	"...and the enterprise place demands..."	"...and the enterprise places demands..."
CAN	18	TH	5.3.2 Hierarchy of system projects	Note	When these two sentences are read it can be interpreted that only the SOI needs to be placed under CM control. Reality is that often the enabling systems (depending on life cycle stage) are often required/needed to be under the Same CM control as	?

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<b>National Body ID</b>	<b>ID</b>	<b>Category (TH, TL, E, G)</b>	<b>Clause, Sub-clause</b>	<b>Paragraph, Figure, Table</b>	<b>Comment and rationale</b>	<b>Proposed new text</b>
AUS	1	G	Editorial		The convention in other WG 7 documents is to capitalize references to the titles of the processes.	Format all title references with edit case e.g. Stakeholder Requirements Definition Process
AUS	2	G	Editorial		There are many references to the noun "organization" in an adjectival sense	Change adjectival use of organization to organizational throughout
AUS	3	G	Editorial		There are many cases where punctuation is missing or incorrectly used. Commas are frequently missing and semi-colons are used instead of commas in some cases.	Apply as required in normal use and in conformance with the JTC 1 style Directives
AUS	4	G	Editorial		Many lists are embedded within the text thus making them hard to read.	Present list elements in "bullet" format.
AUS	5	G	Editorial		Olde Englishe words such as thereof, henceforth, herein, therein etc do not need to be promulgated in a 21st Century standard. There is no requirement to carry forward the baggage of antediluvian legal	Change all occurrences of old English to use contemporary English throughout
AUS	6	G	Editorial		Format of "system-of-interest" - it is variously capitalized, hyphenated and not hyphenated	Use "system-of-interest" and "systems-of-interest"
AUS	7	G	Editorial	Figures	Figures should always immediately precede the figure caption. This is not always the case.	Re-format to correct layout of figures.
AUS	8	G	Editorial		There are many instances of "is to be" and "are to be" which can be better and more consistently expressed as "should be"	
AUS	9	G	Editorial		"e.g.," - inclusion of the comma is incorrect	Change "e.g.," to "e.g." throughout
AUS	10	G	Technical		There is a lot of detail in the Guide that can be obtained through Project Management courses and documents such as PMBOK. It is not necessary to create a Practitioners Manual as the Guide is really meant to just further explain what is in ISO/IEC 15288	Don't add any further detail and remove extraneous detail where practicable to keep a balanced coverage of all processes in ISO/IEC 15288
AUS	11	G	Technical		There is insufficient detail for the average user about how to define an appropriate stage-based life cycle model, how to populate the stages with processes and how to implement this into an organization with policies and procedures.	Items like Figure 18 should be elaborated upon in some detail

National Body ID	ID	Category (TH, TL, E, G)	Clause, Sub-clause	Paragraph, Figure, Table	Comment and rationale	Proposed new text
AUS	12	G	Technical		The Guide is unbalanced in terms of the depth of treatment of the processes of ISO/IEC 15288. Acquisition process is mentioned once in Table C.6 Supply process is mentioned twice Enterprise Environment Management Process is mentioned once in Table C.1 Investment Management Process is mentioned once in Table C.2 System Life Cycle Processes Management Process is mentioned once in Table C.3 Resource Management Process is only mentioned once in Table C.23 (Transition Process) Requirements Analysis Process is mentioned 12 times Architectural Design Process is mentioned 8 times	The document is already quite large so the preferred solution is to cut back on the volume of guidance provided for the Technical Processes.
AUS	13	TL	Introduction		The Introduction is overly long and makes reference to material that presumes at least a good understanding of ISO/IEC 15288. Is it even necessary at all?!	The Introduction should be just that. It should provide some background to the reasons for the existence of the Technical Report and its relationship to ISO/IEC 15288 in no more than a page. It does not need to explain in detail concepts of the International Standard.
AUS	14	E	Introduction	Paragraph 1	"The International Standard .." At this point it hasn't even been introduced which is what this Introduction should at least do.	ISO/IEC 15288 System life cycle processes (the International Standard) facilitates ...
AUS	15	E	Introduction	Paragraph 1	"reaching agreements" - change for clarity and ease of localization	"establishing and executing agreements"
AUS	16	E	Introduction	Paragraph 4, 5	system-of-interest and enabling systems are used first and then explained	Move paras 4 and 5 to follow 1
AUS	17	E	Introduction	Figure 1	The figure is misplaced	Move immediately above the caption
AUS	18	E	Introduction	Paragraph 2	2nd last and last sentences - Figure 1 does not even include the word process so it can hardly explain the context of relationships between systems and life cycle processes	This figure appears too early in the document and if retained should be moved into the body e.g. in 4.2 Concept of use. The International Standard introduces the concept of system-of-interest and enabling system.
AUS	19	E	Introduction	Paragraph 5	Clarity of expression - "an enabling system ... becomes a system-of-interest."	"an enabling system ... becomes a system-of-interest itself."
AUS	20	E	Introduction	Paragraph 6	Possessive required	"into itS system elements"
AUS	21	E	Introduction	Paragraph 10	"process categories" - later "groups" is used	Use "groups" for consistency with the Standard
AUS	22	E	Introduction	Paragraph 14	"requirements of ISO 9000"	"requirements of ISO 9001"

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AUS	23	TL	Introduction	Paragraph 3	The term "system map" is new, not explained and only used here.	Delete this sentence and change the next "Within the context of all systems within an organization .."
AUS	24	TL	Introduction	Paragraph 8	"via reducing the scope" - modernize and generalize. Tailoring is not only reduction (as explained later in the Guide)	"by adjusting the scope"
AUS	25	TL	Introduction	Figure 2	The figure represents a hierarchy where the agreement is subordinate to the project when in fact the reverse is probably more commonly the case.	In the interests of generality, place Project Processes beside Agreement Processes or better still below it.
AUS	26	TL	Introduction	Paragraph 14	Bullet 1 - It is not only Technical Processes but also Project Processes that progress the "system-of-interest"	"technical and project processes"
AUS	27	TL	Introduction	Paragraph 10	"four categories" - the Standard uses the term "groups"	"The four process groups of the International Standard ..."
AUS	28	TL	Introduction	Paragraph 7	Given that the standard is meant to be applied to complex systems, would it be applied to a time scale of 1 hour	delete 'for example, one-hour or tens of years'
AUS	29	TL	Introduction	Paragraph 11	This para is unnecessary, given that any user of the standard already knows this	delete para 11
AUS	30	TL	Introduction	Paragraph 12	This para is unnecessary, given that any user of the standard already knows this	delete para 12
AUS	31	TL	Introduction	Figure 3	Given that there are 4 categories (groups), why is there only 1 category illustrated.	delete Figure 3
AUS	32	TL	Introduction	Paragraph 13	Relationship between the standard and ISO 9000 has not been explained.	delete para 13
AUS	33	TL	Introduction	Figure 4	Relationship between the standard and ISO 9000 has not been explained.	delete Figure 4
AUS	34	TL	Introduction	Paragraph 14	Relationship between the standard and ISO 9000 has not been explained.	delete para 14
AUS	35	E	1.1	Paragraph 1	A guideline is "a line used as a guide, a guiding line;"	Use "guidance" and adjust plurals to suit.
AUS	36	E	1.1	Paragraph 1	"Henceforth referred to as" - unnecessary	Delete
AUS	37	E	1.1	Paragraph 2	"guidance contained herein"	"guidance provided"
AUS	38	E	1.2		Other people than "writers" may also be involved. Generalize.	Delete "writers"
AUS	39	E	2		Domains such as Systems Engineering and Information Technology are not required in References as shown in the following ones. Software Life Cycle Management is also not required.	Conform to ISO Directives

National Body ID	ID	Category (TH, TL, E, G)	Clause, Sub-clause	Paragraph, Figure, Table	Comment and rationale	Proposed new text
AUS	40	E	2		ISO/IEC 15504 has multiple parts and is incorrectly titled	Add (multiple parts) and Process
AUS	41	TL	2		ANSI/EIA 632 is not readily available on a global basis and should not be a reference	Delete
AUS	42	TH	3	3.1	combined system entity - term defined and apparently not used. In any event this is overtaken by the decisions made regarding ISO/IEC 15288	Delete
AUS	43	TH	3	3.2	system entity - This should be removed given the decisions taken with ISO/IEC 15288. In many places throughout the Technical Report reference is made to "system-of-interest or system element" e.g. 4.3. B)	Delete and expand any occurrences of use in the rest of the document
AUS	44	TH	3	3.3	The concept of system structure is described in ISO/IEC 15288 and does not need to be defined as a term here. "Multiple levels of system elements" clashes with the concept as used in ISO/IEC 15288. It is not necessary to understand about levels, just that what is required by a system-of-interest in fact exists and performs as required	Delete
AUS	45	TH	3	3.4	Work product is a commonly used term and does not need to be explained here.	Delete
AUS	46	TL	4,1	paragraph1	'a variety of reasons.' is not specific enough	The international standard can be used for one or more of the following reasons:
AUS	47	TL	4,1	paragraph 1	Are there any other reasons. If so, they should be listed	
AUS	48	TH	4.1 a)		Something that is a system element to a project presumably is worked upon in a sub-project.	Refer only to re-engineering a system-of-interest
AUS	49	E	4.2	Line 1	Grammar - "available technology"	"technology available"
AUS	50	TL	4.2	Sentence 3	"organization projects and functional organizations" is confusing.	"organizational projects and functions."
AUS	51	TL	4.2		The International Standard does not provide "one or more life cycle models"	It provides processes "for use within" one or more life cycle models
AUS	52	TL	4.2	Paragraph 3	The standard is not necessarily "reduced in scope"	"is tailored in scope to fit"
AUS	53	TL	4.2	Paragraph 4	The team structure does not shape policies and procedures, in fact, the reverse is true. The next paragraph states the reverse of this one in item 1)!	Reverse the sense of this
AUS	54	TL	4.2	Paragraph 4	System characteristics would not normally shape policies and procedures (if ever)	Reverse the sense of this

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AUS	55	TL	4.2	Figure 5	Change "reduction" of scope to "adjustment" or "tailoring"	
AUS	56	E	4,2	Figure 5	It is not clear which of the 3 listed reasons in 4.1 this is an example of.	
AUS	57	E	4,3	All	Does not appear to follow on from 4.2	
AUS	58	E	4.3		"The following are examples ... the following possibilities"	Delete the words "the following possibilities" from each subordinate list item
AUS	59	TL	4.3 a) 1)		Don't limit to only two parties	change two party to multi-paty
AUS	60	E	4.3 a) 3)		Unnecessary obsolete verbage	Delete thereof
AUS	61	E	4.3 d) 4)		Capitalize Internet as typically shown	
AUS	62	TL	4.3 d) 4)		The Internet is a bad example of network planning. It isn't planned the way a corporate network would be and thus has inherent risks associated with performance, reliability and stability.	Replace with "corporate global network"
AUS	63	TL	4.3 d) 4)		An electric power supply can reach end of life and be replaced by a new system	Change to "end of us life in a practical sense such as"
AUS	64	E	4.3 f) g)-j)		Bad numbering	
AUS	65	E	4.3 f) j)		Are "conferences" meant to be "meetings" or junkets?	Change to meetings
AUS	66	TL	4,4	All	Not clear how tailoring is done.	
AUS	67	TL	4.4	Sentence 1	"tailoring is done" mandates when it may not be required.	"tailoring may need to be done"
AUS	68	TL	4.4	Paragraph 3	Expectation that the Standard "will be tailored" is not possible in a generic document	Change "expected" to "likely"
AUS	69	TL	4.4		"avoid unnecessary costs" - like testing?? Value add is in general not just the specific items.	"Items that do not add value may be tailored out however care needs to be taken that an appropriate balance between timely delivery, costs and satisfaction of requirements is
AUS	70	E	4.4.1		"can scope the depth" is really about defining it.	Change "scope" to "define"
AUS	71	E	4.4.1 c)		Convery concept more simply re success	"typically determines satisfaction of the requirements"
AUS	72	E	4.4.2		A guideline is "a line used as a guide, a guiding line;"	Use "guidance" and adjust plurals to suit.
AUS	73	TH	4.4.2 c)		"the system element is the object of the project" is not consistent with understandings reached in San Diego.	"precedented or unprecedented system-of-interest is the object of the project"
AUS	74	TL	4.4.2 c)		There are no (obvious) compliance requirements in Clause 2.1 and the Clause is about Conformance not "compliance" anyway.	
AUS	75	TL	4.4.2 h)	Last sentence	This is not a complete list of standards	Change to "Some references for domain ..."

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AUS	76	TL	4.4.3 b)		"line in/line out" is not a commonly used term and thus its intent is not fully clear	A changed tracked copy of the International Standard .."
AUS	77	TL	5.1		"systems-of-interest and enabling systems" - it is only necessary to mention systems-of-interest as enabling systems are the systems-of-interest to the relevant parties	
AUS	78	TH	5.2.1		This sub-clause adds no value to what is already in the Standard in Clause 1	Delete
AUS	79	TH	5.2.2	Paragraph 1 & 2	Figure D.3 and its accompanying text provides a clear perspective of the relationship between systems, systems-of-interest and system elements	Delete
AUS	80	TH	5.2.2	Paragraph 3	This is already adequately covered in the Standard in Clause 1.1 paragraph 3	Delete
AUS	81	TL	5.2.3	All	This para is unnecessary.	delete
AUS	82	E	5.2.3	Paragraph 2	"system-of-interest ... does the operational functions" - no really	Change does to provides
AUS	83	E	5.2.3	Figure 6	Spelling correction - ll not l	refuelling
AUS	84	E	5.2.3	Figure 6	Expand Equip. to Equipment for consistency	
AUS	85	TL	5.2.3	Paragraph 3	Water and electricity are not systems except perhaps if one is working at the atomic level e.g. heavy water or particle physics	"systems such as water and electricity supply"
AUS	86	E	5.3.1	paragraph 2	organization' is inconsistent with title of 5.3.1.1 Enterprise relationships	use either 'organisation' or 'enterprise', but not both
AUS	87	E	5.3.1	Paragraph 2	This refers to "organization, project and enabling systems " but 5.3.1.1 refers to "Enterprise relationships".	Change organization to enterprise
AUS	88	TL	5.3.1	Paragraph 2	The three items are not related in a way that could be considered to be "dimensions"	change dimensions to aspects including in the following explanations
AUS	89	E	5.3.1.1		Embedded lists do not convey as clear a message as a bullet-format list	Present as 1) 2) etc
AUS	90	E	5.3.1.1		ISO 9000 is the terminology	Refer to ISO 9001:2000 Quality management systems - Requirements
AUS	91	TL	5.3.1.1		The heading refers to Enterprise but the content is more about projects	Swap heading or contents with 5.3.1.2

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AUS	92	TL	5.3.1.2		The heading refers to Projects but the content is more about enterprises	Swap heading or contents with 5.3.1.1
AUS	93	E	5.3.1.2 d)	Paragraph 3	"define per the agreement" - made clear for	"define in the agreement"
AUS	94	E	5.3.1.2 d)	Paragraph 4, 2nd bullet	Grammar - missing these	"(these could be in the form of ..."
AUS	95	E	5.3.1.2 d)	Paragraph 4, 4th bullet	This is not a list yet ";" are used instead of ",".	
AUS	96	TL	5.3.1.2 d)	Paragraph 3	"The fifth kind" is not present so it is not one of the enumerated set. Also the inference is a kind of "agreement" and this could be made clear.	Another kind of agreement
AUS	97	TL	5.3.1.2 d)	Paragraph 3	It is not only about sharing what already exists but who owns what is created	Append "and the ownership of created Intellectual Property"
AUS	98	TL	5.3.1.2 d)	Paragraph 4	It is not possible to determine that all agreements include these details	"should include the following to the ..."
AUS	99	TL	5.3.1.2 d)	Paragraph 4, 4th bullet	Intellectual Property is missing	"copyright, Intellectual Property and patents"
AUS	100	E	5.3.1.3		Grammar - "to ensure"	"responsible for ensuring that"
AUS	101	E	5.3.2	NOTE	"NOTE - It is to be noted that" is tautological	"NOTE - When the project and ..."
AUS	102	E	5.3.2.1	Paragraph 2	"structure" is not a concept that is relevant to the required capability. Also refer to skills in particular.	"this could require the teams to be multidisciplinary and to include skills in disciplines necessary to do the required tasks"
AUS	103	TL	5.3.2.1	Paragraph 3	Rules of thumb do not warrant mention in this Guide for ISO/IEC 15288 I.e. this is not a Practitioner's	Delete first sentence
AUS	104	TL	5.3.2.1	Paragraph 3, 3rd sentence	"integrative organizational"	"integrated organizational"
AUS	105	TL	5.3.2.1	Paragraph 3, 4th sentence	"teams also to be integrated" - It is not necessary for teams to be integrated for their products to be integrated. Appropriate interfaces and knowledge sharing are more correct (and important)	"important that individual teams share knowledge and communicate with other teams ..."
AUS	106	E	5.4	Figure 10	The figure is a representative system life cycle model	re-label 'Representative System Life Cycle Model'
AUS	107	E	5.4	Paragraph 5	Present list in bullet-format to more easily convey the message	
AUS	108	TL	5.4	Paragraph 2	"five to 40 years" - no need for specifics. Railways can plan for 100 years for track life	"can have a very long life"

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AUS	109	TL	5.4	Paragraph 2	The life span of "aircraft seats" is not something that most people can relate to.	Use items more common to the average person e.g. Personal Computer hardware, computer software e.g. office business tools, cellular phones.
AUS	110	TL	5.4	Paragraph 5	Stages in 15288 have outcomes not objectives	"enable the outcomes of the stage ..."
AUS	111	TL	5.5.1	Paragraph 2	"outputs ... such as specified requirements describing ... a solution" - requirements do not describe a solution - this is the design documents	Delete "such as specified requirements"
AUS	112	TL	5.5.1	paragraph 1	ISO/IEC 15504 is not a System Assessment standard	
AUS	113	TL	5.5.1	Paragraph 3	Do they really "need to review" or is it a good idea? Also the life cycle model is not THE life cycle model it is an example.	"should review the exemplar life cycle model ..."
AUS	114	E	5.5.2.1	Paragraph 6	Append ":" to introductory stem.	
AUS	115	E	5.5.2.1	Paragraph 6, 6th bullet	"organization customers" - what other types exist?	Delete "organization"
AUS	116	TL	5.5.2.1	Paragraph 3	"There are .." is very definitive and likely to be not 100% true. Also unnecessary comma.	"There usually are but the .."
AUS	117	TL	5.5.2.1	Paragraph 6	"A specific role ..." - Processes do not have "roles".	"A specific objective for the ..."
AUS	118	E	5.5.2.3	Paragraph 1	Grammar - "done"	"activities performed during a stage..."
AUS	119	E	5.5.2.3	Paragraph 3	"processes could need to be defined" - grammar	"processes should be defined"
AUS	120	E	5.5.2.4	Paragraph 2, 2nd sentence	"an early system life stage" - cycle missing	"an early system life cycle stage"
AUS	121	TH	5.5.3	2nd and 3rd sentences	It is not our role to pass commentary on whether or not others misunderstand (if in fact they do)	Delete the 2nd and 3rd sentences
AUS	122	E	5.5.4	Paragraph 2	singular - includes	"nor this Technical Report include discussion .."
AUS	123	TL	5.5.4	c)	Clarify type of training	"subsequent refresher training"
AUS	124	TL	5.5.3.1	Figure 12	Illustration may be better expressed in terms of a V model, especially in view of the use of V model illustrations in other figures in this document	
AUS	125	TL	6,1	paragraph 1	bullet point 1 is not general enough.	should read: 'engineer or re-engineer a system-of-interest and/or one or more of its system elements.'
AUS	126	E	6.2 - 6.2.4		The first three - in which order? Alpha? Bottom up? Top Down? References to enumerated processes does not assist usability of the TR e.g. "first three" "next four" fourth process" etc	Expand to include process titles in each case throughout this whole Clause
AUS	127	E	6.2	Paragraph 3	"Once" (one time) does not translate clearly into other languages	Use "After" instead of "Once" (throughout the TR)

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AUS	128	E	6.2.1	Paragraph 2	"in the lower half" does not add value	Delete
AUS	129	TL	6.2.2	Paragraph 2	"is" is too strong	Change "is" to "should be"
AUS	130	E	6.2.3	Paragraph 2	"set of various logical" - various adds no value	Delete "various"
AUS	131	E	6.2.3	Paragraph 5	"Annex c.5" - confusing - Clause or Table?	Annex Clause C.5
AUS	132	TL	6.2.3	Paragraph 7	"line replaceable" - Does this mean a rotatable item? No need to define LRU - it is never used again.	Clarify intent of "line replaceable"
AUS	133	E	6.2.7	Paragraph 1	No need to explain what a system entity is here!	Remove system entity entirely throughout and state in full "system element or system-of-interest" in each case.
AUS	134	TL	6.2.7	Paragraph 3	Simulations are not only done to save cost e.g. simulating weightlessness	Append "or where operational environments are not readily accessible"
AUS	135	TL	6.2.8		b) is effectively incorporated in a)	Delete b) and reformat
AUS	136	E	6.2.9	Paragraph 3	"Validation is to be" - not always	"Validation should be"
AUS	137	TL	6.2.9	Paragraph 4	The terminology is inconsistent with the WG 7 document on Mockup and Prototype	Conform to the existing document
AUS	138	E	6.2.9	Paragraph 6	"are appropriately" - not always!	"should be appropriately"
AUS	139	E	6.2.10	All	Does not appear to follow on from 6.2.9	
AUS	140	TL	6.2.10	Paragraph 1	"peculiar" - what does this imply?	Is this meant to be "particular"?
AUS	141	E	6.2.10	Paragraph 2	"seven process" - Name or just refer to "The processes" - it is not relevant how many there are!	
AUS	142	TL	6.3	Paragraph 6	IP not included	"copyright, Intellectual Property and patents"
AUS	143	TL	6.4	List element 3	"quality standards" are not always relevant	Change "standards" to "requirements"
AUS	144	E	7.1	Figure 18	organization is a noun	organizational
AUS	145	TL	7.2	Paragraph 3	"pre-study" - new term!	"feasibility study"
AUS	146	E	7.2	Paragraph 4	Grammar	"whether or not to make a bid based on initial ..."
AUS	147	E	7.2	Paragraph 5	Plurals	"management decision"
AUS	148	TH	7.2 & 7.2.1	Paragraph 7	The fundamental life cycle models are not consistent with the terms used in ISO/IEC TR 15271	Use waterfall, incremental and evolutionary
AUS	149	TH	7.2.1	Paragraph 2	"grand design" - never mentioned again - unnecessary term	Delete sentence
AUS	150	TH	7.2.1	Paragraph 2	What do "large organizations" have to do with it? The decision relates more to the problem at hand.	Delete sentence
AUS	151	E	7.2.1	Paragraph 3	Grammar	"development is often directed"
AUS	152	TH	7.2.1.1		The "sequential" model of Figure 18 is the fundamental waterfall model and this document should be consistent with the fundamental models	Use the term waterfall

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AUS	153	TH	7.2.1.1		It is not true that "one or few of a kind" implies waterfall and vice versa.	Refer to ISO/IEC TR 15271 for the reasons that waterfall are used. This must be consistent
AUS	154	E	8.2	Figure 21	A guideline is "a line used as a guide, a guiding line;"	Use "guidance" and adjust plurals to suit.
AUS	155	E	C.2	Table C.1	A guideline is "a line used as a guide, a guiding line;"	Use "guidance" and adjust plurals to suit.
AUS	156	E	7.2.1.1	Example	Seems to be lost in space	Turn it into a proper sentence
AUS	157	TH	7.2.1.3 a)		"incremental engineering" contradicts 7.2 and 7.2.2 last paragraph	"stepwise refinement approach to engineering"
AUS	158	E	7.2.2	paragraph 1	Plural	"established milestones"
AUS	159	E	7.2.2.1	Example	Seems to be lost in space	Turn it into a proper sentence
AUS	160	TH	7.2.2.3 b)		Rapid prototype is a form of evolutionary life cycle model	Refer only to the fundamental life cycle models ot avoid referring to all possible variants
AUS	161	TH	7.2.3	Paragraph 1	Evolutionary does NOT necessarily apply to those developing new versions - that is further application of whatever life cycle model was chosen e.g. multiple waterfall models	Conform to WG 7 terminology
AUS	162	E	7.2.3.1	Example	Seems to be lost in space	Turn it into a proper sentence
AUS	163	E	7.2.3.1	Example	Is IT meant to refer to software?	Change IT to software
AUS	164	TH	7.2.3.2 a) and b)		Intermediate products of the evolutionary model are not intended to be used	Delete
AUS	165	TL	7.2.3.2		Add new item	"Inappropriate early use of a product prototype in
AUS	166	TL	7.2.3.3		Add new item	"Take advantage of evolving technologies"
AUS	167	E	7.3	Paragraph 2	Grammar	"sufficiently detailed engineering"
AUS	168	E	7.3	Paragraph 3	Spurious "then"	"Realized/implemented system ..."
AUS	169	TH	7.3	Paragraph 3	Avoid additional terms	Delete "composite system element" to maintain consistency with the standard.
AUS	170	E	7.3	Paragraph 4	"systems engineerings writings" - sounds corny. Also the V model is not unique to systems engineering - generalize.	"the literature"
AUS	171	TH	7.3	Paragraph 6	The whole figure can relate to the waterfall model not just the "left side"	Delete the sentence
AUS	172	E	7.3	Paragraph 8	Spurious "to"	"each system entity is realized and"
AUS	173	TL	7.3	Paragraph 11	The first article sounds like a grammatical construct.	"The first item built is verified"
AUS	174	E	7.3	a)	Missing "the"	"consistent with the acquirer's"
AUS	175	E	7.3	c)	"A review ... to review" - grammar	"Evaluation of the established functional baseline to ensure that "
AUS	176	E	7.3 d) 5)		Each .. Elements - plural	"risks for each system element are"

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AUS	177	E	7.3 f) & g)		articles	items
AUS	178	TL	7.3 I) 1)		drawings are not always relevant	"drawings and/or specifications"
AUS	179	TL	8.2	Paragraph 4	"down scope" is colloquial	"reduced scope"
AUS	180	E	8.2	Paragraph 4	"case one" - style inconsistency	"Case 1"
AUS	181	E	A		Annex A - Referenced standards are not in the ISO required format. Also do not need "Information Technology" for 15026	
AUS	182	E	B.2.1		Grammar	"The focus of the ..."
AUS	183	TL	B.2.6		It is not possible to "prevent the security risks"	"mitigate against the security risks"
AUS	184	E	B.2.7		Meant-time... - what was meant?	mean-time-between-failures
AUS	185	TL	B.2.8		Humans are animals (in the strictest sense) so this is a tautology. There can be also risks for other life forms that are not animals.	"...risks to all life forms."
AUS	186	E	B.3		Reference of a Table should be a Figure	Figure B.1
AUS	187	TL	B.3		"kinds" is unnecessary - refer to "Examples of system elements" - remove "kind" throughout this clause	
AUS	188	E	B.4		Heading flow incorrect	Insert a Return

		<b>Balloted</b>		<b>document:</b>	ISO/IEC JTC 1/SC 7 N 2597	
				<b>Vote:</b>		
<b>National Body ID</b>	<b>ID</b>	<b>Category (TH, TL, E, G)</b>	<b>Clause, Sub-clause</b>	<b>Paragraph, Figure, Table</b>	<b>Comment and rationale</b>	<b>Proposed new text</b>
SWE	1	G			In general, Sweden considers many parts of the Guide to be useful. In fact, several on-going implementation efforts extract information and utilize it. On the other hand, the guide still, too a large extent, is too heavy and too oriented towards traditional systems engineering thinking for technical systems. While this is not wrong if your goal is restricted to these traditional usages, it will most likely "scare off" the other potential users of the standard.	The orientation of the guide should reflect that fact that todays systems are much broader. The guide should thus give guidance in deploying the standard in these new environments. Thus, it could be more "light weight" and focus more on how to adapt the standard for particular needs.
SWE	2	TH	1		The Introduction that appears prior to this clause, could well be incorporated in Clause 1 or alternatively appear as clause 4.	Consider a new placement for this material. In any event, the table of contents now does not reflect the presence of this material.
SWE	3	E	Introduction		upper-lower case	The text in Figures 1,2 and 3 have mixed cases. Be consistent in the use of upper or lower cases in the "relationship" text.
SWE	4	TH	Introduction	Figure 2	Should not restrict assessment to projects	Change to : Use to Assess Effectiveness
SWE	5	TH	Introduction	Figure 4	Text just prior to the figure. Given changes to the quality management process in 15288, this statement about use of 15288 should be stronger.	...enable organizations to meet the quality requirements of "Product realization" processes and activities ...
SWE	6	TH	Introduction	Figure 4	While Sweden requested more explanation of Figure 4 last time, it is not clear that what is stated there is what we should have - suggest something like...	It is expected that by following 15288 in the implementation of system life cycle processes that the goals of transforming customer requirements into customer satisfaction as called for in ISO 9000 will be achieved. Further, that the processes of 15288 contribute to the achievement of appropriate Management responsibility, Resource management as well as Measurement analysis and improvement. Finally, that the general goal of Continual improvement of the quality management system will also be attained.
SWE	7	TH	1.1	4	The last sentence .. It does not and is not... should be eliminated. This does not have to be stated.	Eliminate sentence.

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SWE	8	TH	2	1	The word indispensable is too strong here, with the exception of the standard itself.	The following referenced documents are important for the application guidance provided in this document.
SWE	9	TH	2	References	If ANSI/IEC 632 is referenced it would seem appropriate to also add IEEE 1220 to the list.	Add IEEE 1220
SWE	10	TH	3	Definitions	Sweden suggests that an analysis be made of the need for the usage of the terms "system entity" and "combined systems entity" to see 1). whether they really are necessary 2). That if the terms are necessary and only used in a few places that they are simply used directly in the text without the need to define them formally in clause 3.	Analysis of need.
SWE	11	TH	4.2	Figure 5	This gives some good information. However, there seems to be a minor problem related the use of legend symbols. For example, according the legend - Expectations and Sequencing are Part of Standard.	Fix symbology.
SWE	12	TH	4.3	c - 1)	Data Work products should be more general than just data - how about a conceptual drawing, etc. Should be information of which data is a part.	....element, information).
SWE	13	TH	4.4	4	The standard talks about conformance now - so this sentence should be updated; however rather than being dictative about this issue, "may be" instead of "is" should be used.	..., it may be important to ensure that applicable conformance requirements ....
SWE	14	TH	4.4.1	a)	While the statement in the first sentence is a clear criteria for tailoring considerations; the explanation that follows in the next sentences is not clear (in fact, confusing).	Leave only the first sentence of a) and remove the following sentences.
SWE	15	TH	4.4.3	1	Tailoring shall be documented.	... shall be documented; especially for the benefit of all who....
SWE	16	E	5.2.3	4 5th sent	Incorrectly stated	For example in Figure 6 aircraft enabling systems include systems for the operation of training simulators: for ...
SWE	17	TH	5.2.3	4 6th sent	Remove - this does not needed to be stated.	Remove
SWE	18	TH	5.3.1.2	4 2nd sent	important to identify roles as well as responsibilities amongst organizations	authorities, roles, responsibilities and rights ....

National Body ID	ID	Category (TH, TL, E, G)	Clause, Sub-clause	Paragraph, Figure, Table	Comment and rationale	Proposed new text
SWE	19	E	5.3.1.3	Figure 8	Text referring to the figure should be attached to the last line above the figure.	Correct
SWE	20	TH	5.3.2.1	3rd para	Unsupported claim about seven plus or minus two	Add a reference to reported results
SWE	21	TL	5.5.2.1	4th bullet	missing methods	..appropriate methods and tools ...
SWE	22	TH	6.2.5	1 para 1 sent	in order to cover cases that are not so material, the word physically should be removed.	...system element can be realized from ...
SWE	23	E	6.2.10	2para 2 sent	strange sentence	correct
SWE	24	TH	6.2.10		focuses on hardware enabling sstems, but to achieve balance should also identify more soft systems, like logistics systems	improve
SWE	25	E	6.4	2 sent	incomplete word	...illustrated by Figure 17.
SWE	26	TH	7.2.2		This model is being applied to some not so small systems, for example, medical information systems for large hospitals as you state	suggest to remove the word small in 7.2.2.1
SWE	27	TL	7.2.2.2	f)	improvement of wording	..a significant impact upon costs...
SWE	28	E	7.3	d) 5)	singular	each system element are...
SWE	29	TH	8.2		Using "Use cases" here is not appropriate.	Title change to Utilization of the Inte.. Then consistently change use case references to utilization.
SWE	30	TH	5		This clause does not only extend Annex D of the standard. Many times there is an duplication of information between the standard and the Guide. The Guide makes heavily references back to figures in the standard which is very annoying for the reader.	The annex and the clause should be merged together and the result placed either as an informative annex of the standard or placed wholly in the Guide.
SWE	31	TH	1.1		It's not clear that the Guide really "gives guidelines for the implementation" of the standard	??
SWE	32	TL	5.3.2.1		Considering the stated prerequisites (subclause 1.3) it's questioned whether basic project management knowledge material should be part of the Guide.	Eliminate
SWE	33	TL	5.5.1		Figure 11 gives a different picture of the interfaces to a process compared to the process concept used in the standard. As this is the implementation Guide of the standard, this is the place to explain why the processes of the standard doesn't make use of inputs, controls e.t.c.	

National Body ID	ID	Category (TH, TL, E, G)	Clause, Sub-clause	Paragraph, Figure, Table	Comment and rationale	Proposed new text
SWE	34	TH	C		The notes of annex C don't live up to giving "additional help for selection and use of ... the processes". Many notes add to the confusion, many times because they are incomplete sentences.	
SWE	35	E	C	Table C.4	Wrong heading	Resource management process
SWE	36	E	C	Table C.8 3	Wrong reference?	5.4.2.3.a)
SWE	37	TL	C	Table C.8 11	Should rather make reference to one of the plans in Table D3	Technical engineering plan
SWE	38	TH	C	After Table C.15	Configuration Management process need explanation! Why is CM part of Project Processes?	
SWE	39	E	4.3	f	Numbering!	1) 2) 3) 4)
SWE	40	TH	D		Without Purpose and contents annex D turns into something of no value.	Add purpose and contents and/or references to Data Item Descriptions - if available.

		<b>Balloted</b>		<b>document:</b>	ISO/IEC JTC 1/SC 7 N0578		
				<b>Vote:</b>	Disapprove		
<b>Natio nal Body ID</b>	<b>ID</b>	<b>Category (TH, TL, E, G)</b>	<b>Clause, Sub clause</b>	<b>Paragraph, Figure, Table</b>	<b>Comment and rationale</b>	<b>Proposed new text</b>	
GBR	1	G			Readability. The guide is not easy to read and there is some repetition, Clause 7 especially repeats material from earlier sections.	Reduce sentence length and complexity. Check for repetition.	
GBR	2	G			Usability. The Guide appears to have been written to be read from cover to cover before reading the IS. This is only one mode of use for a guide. For example, it is difficult to "dip in" to the Guide or to cross-refer from the IS to relevant advice in the Guide. The structure of the Guide does not obviously relate to the IS.	Consider a look-up table using clause numbers.	
GBR	3	G			Usability. The order of the process categories in the Guide is not the same as the order in the IS. This is both confusing and does not express the primary nature of Agreement. The explanation of the operation of the agreement processes in figure 2 is incorrect.	Retain the process category ordering from the IS. Revise figure 2 to reflect the primary nature of the agreement processes.	
GBR	4	G			Presentation. The wording in the early clauses of the Guide could give more support to the IS. Phrases such as "if the IS is used" and "the IS does not necessarily" do not encourage the user to use the IS.	Use more positive phrases when referring to use of the IS such as "when the IS is used" and "may not".	
GBR	5	G			Scope. Is this really a Guide to the IS or a guide to doing the systems engineering on projects using the standard?	Consider if this scope addresses all potential users of a Guide to the IS. There is a strong project focus in the Guide and the advice concentrates on the early stages in the lifecycle of systems. Advice on the application of the standard to later stages (where system and system engineering concepts are less well known and therefore would give greater benefit) should, perhaps, be emphasised. Advice on the application of the standard to systems in the organisation/enterprise would also be of benefit were, once again, system and SE concepts are less well understood. There are two alternatives. 1/ re-brand this Guide to be "Guide to the application of ISO 15288 in projects" and develop other Guides for operations and enterprises. 2/ extend the scope of the Guide to cover these	
GBR	6	G			Does the IS take a project focus or a process focus or a system	Check the assertion that the IS takes a project focus. The previous comment	

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GBR	7	G			Concepts. The Guide does not explain the concepts related to human as a system element. Are any other concepts omitted?	Check that all concepts in the IS are in the Guide. Given the novelty of the
GBR	8	TH	Annex C		The notes on each process are selective and do not include guidance	Presume that these notes are the notes moved from the IS and therefore have
GBR	9	TH	1.3		The prerequisites require that the reader should be familiar with	Consider if this prerequisite is necessary. If it is then add a caution in the In
GBR	10	G			Terminology. Several terms are used without definition: system map, span of interest, system structure, value added, level 1 system of interest,	Define these terms if they do have a particular meaning.
GBR	11	G			Terminology. Are system and system element given the same meaning as in the IS? Given the final decision regarding the use of the term system entity in the IS will the term be retained in the Guide or not?	Harmonise use of these three terms between the IS and the Guide.
GBR	12	TL	Intro	Paragraph 3	The term "system map" is used only here. Is it necessary to introduce this term for one use?	Consider removing the definition or making more use of the concept.
GBR	13	TL	Intro	Paragraph 3	Middle of second para. "all types of systems including hardware..." This gives the impression that systems are only their implementation media.	Split the sentence. Make the first part about the types of system and the second part about the elements which may be used to implement systems.
GBR	14	E	Intro	Paragraph 4	Sentence 4. Is "the relationship to" superfluous?	Delete
GBR	15	G			The use of the imperative "must" should be avoided in TRs because of the implications of normative requirement.	Replace "must" with words such as "will be" or "should be". Even "are" may be more acceptable. The Secretary may be able to provide advice on this matter.
GBR	16	TH	Intro	Figure 2	Figure and explanatory text. See general comment about placement and application of the Agreement process category. The Agreement processes also govern project processes and Enterprise processes.	Discuss and revise figure accordingly.
GBR	17	TL	4.1	new item c	Additional uses are suggested in the scope statement of the IS. These should be added to the list of uses.	For example add use in process assessment.
GBR	18	TH	4.2	clause	What is "scope reduction"? Why is this not tailoring?	Consider using only tailoring as the customisation process for the IS rather than introducing a new concept. Or clarify that the use concept presented after the first para of 4.2 is an example/ suggestion rather than the only way of using the IS and define what scope reduction is and how it differs from tailoring.
GBR	19	TL	4.2	Figure 5	Could add "culture" to the team issues in the concept of use.	As comment
GBR	20	TL	4.2	last para	Work is done by performing processes not by defining them.	Replace "defining" with either "performing", "carrying out" or "enacting".

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GBR	21	TL	4.3	penultimate para	The term "terms of reference" is usually applied to a project not to the use of a standard. The following paragraph seems to be about planning a project rather than gathering information for the tailoring of a standard.	Replace "terms of reference" with "could be considered to be the terms of reference for the application of the IS. Delete the following paragraph or move it to the clause on project planning.
GBR	22	TH	4.4		This clause addresses tailoring of the IS for use on a project. What about tailoring the processes for use by an organisation on a range of projects - as is more likely for smaller enterprises or organisational units?	This issue relates to the scope of the Guide, which has a strong project and development focus. See the general comment on this issue. The consequences of a decision in this area will require extensive change to the Guide or may require the development of more Guides to the standard for a wider range of applications.
GBR	23	TH	4.4		The emphasis in this clause is on management of costs in the application of the IS. Whilst it is of course necessary to avoid "busy work" in the application of any standard surely the main purpose of tailoring is to develop a process framework that a/ will give the best chance of meeting the requirements of the enterprise within an agreement and b/ manages the project/ enterprise risks related to the context	Add advice related to quality function deployment and assessing the risk of not performing/adapting each process.
GBR	24	TL	4.4.1	list	The ordering of the this list emphasises engineering effort over other considerations, even though the first item indicates that benefit in this area are not certain (could lead	Revise the list to emphasise issues that are important to a broader range of stakeholders. Propose d,c,b,a,e and revise d to cover more than engineering effort. (replace "engineering effort" with "project and
GBR	25	TL	4.4.1	item a	Second sentence. Is there always a physical architecture at concept stage?	Consider a more generic example for this issue.
GBR	26	TL	4.4.2	item b	Third sentence. Other processes <u>may</u> be required (permission rather than capability	Replace "can" with "may".
GBR	27	TL	5.2.2	Paragraph 3	The distinction between man-made and natural elements is not as clear as the examples indicate. Trained humans and genetically engineered organisms are man-made.	Replace "natural elements include human," with "are".
GBR	28	TL	5.3.1.2	Paragraph 5	(Para beginning "a fifth kind"). The most sensible, and increasingly common, procedure for carrying out a project of the form described in this clause in the creation of an enterprise to perform the project ( a partnership). This relationship can be included in the figure with a simple adaptation.	Add an enterprise between the two organisations governed by an agreement between the two organisations.

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GBR	29	TH	5.3.1.3		"span of interest" is a concept relevant to system development projects but not necessarily systems of interest. This clause highlights the discrepancy between the scope of the Guide and the IS.	Consider in the light of the discussions on the scope of the Guide.
GBR	30	TH	5.3.1.3	figure 8	What is this figure saying? Is is recommending that a single project should develop both the SOI and the enabling systems? Is this not an issue for the business context, agreement and enterprise rather than the Guide?	Consider the degree to which the Guide should define the scope of a project. Revisit the allocation of responsibility between the project, enterprise and agreement and consider a more business-orientated viewpoint (as against a project viewpoint)
GBR	31	TL	5.3.2	Note	What is "system structure" in this context? Does it present or describe the system of interest?	Clarify
GBR	32	TH	5.3.2	Figure 9	What is this figure saying? Is is recommending that every SOI has a separate project? Is this not an issue for the business context, agreement and enterprise rather than the Guide?	Consider the degree to which the Guide should define the scope of projects. Revisit the allocation of responsibility between the project, enterprise and agreement and consider a more business-orientated viewpoint (as against a reductionist viewpoint).
GBR	33	TL	5.4	Paragraph 1	Last sentence. Financial reward is one of a range of overall goals for a system. Meeting requirements is the overall goal for the widest range of stakeholders. Financial reward is probably the goal for the enterprise developing the system but not at every stage in the lifecycle.	Replace "and financially rewarding system" with "system that meets its requirements"
GBR	34	TL	5.4	Paragraph 2	A human system element could have an operational life (interaction with the system) of a few minutes.	
GBR	35	TL	5.5.1	Paragraph 1	Second and Last sentence. The IS as a whole is a reference model for system assessments.	Replace "also reference models" with "a reference model". Last sentence also add "can be used as" before "a reference model".
GBR	36	TL	5.5.1	Paragraph 4	Where do these specific directives and constraints come from? Is the Guide requiring that these are documented? Or what?	Clarify the purpose of raising this issue and what should be done about process control.
GBR	37	TL	5.5.2	Paragraph 1	Processes are enacted not applied. Functions are provided not performed. Function is not mention in the preceeding section and is probably a confusing addition to this	Replace first sentence with "Within a life cycle stage processes are enacted as required to achieve stated objectives." If necessary mention performance of activities.
GBR	38	TL	5.5.2.1	Paragraph 3	The scope of the enterprise processes in the IS is more those related to systems than those that support projects.	Replace "directly supporting projects" with "related to systems"
GBR	39	TL	5.5.2.2	Paragraph 3	The agreement processes are used outside of the system/project hierarchy. Why is project hierarchy mentioned here? It is not a concept in the IS?	Replace "at any level of the system's project hierarchy" with "inside and outside an enterprise."

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GBR	40	TL	5.5.2.2	Paragraph 3	Agreement processes apply between any supplier and acquirer of goods or services.	Add "partner departments, organisations and" before "subcontractors".
GBR	41	TL	5.5.2.4	Paragraph 2	Perhaps mention that some processes are enacted more often, for example V&V and Integration.	Add examples as appropriate.
GBR	42	TH	5.5.3.1		Value added is not a concept in the IS. It is clearly a contextually-defined parameter. Consider if this concept is of value :- ) in this context, if so explain it.	Explain this concept and provide illustrations.
GBR	43	TL	6.1	item 2	item 2 in first list. Processes do not carry out objectives.	Replace "carry out" with "contribute to"
GBR	44	TH	6.2		This clause gives no indication that operators are a system element.	Rewrite the clause to address the human element. Some suggestions are provided but are not a complete solution.
GBR	45	TL	6.2.5	Paragraph 1	Add implementation of operators	Add "trained" after "bought" in the last sentence.
GBR	46	TL	6.2.7	Paragraph 1	What is a "level 1" system of interest? Define this classification scheme.	Define the level classification scheme or explain.
GBR	47	TL	6.2.7	list	last item in the list. Add implementation of operators	Add "examination of competence" after "products".
GBR	48	TL	6.2.9		This clause is a bit waterfall-orientated. Extend the options for validation to include periodic re-validation of prototypes in a interative prototyping lifecycle as the driver for	Revise the clause accordingly
GBR	49	TL	6.2.9	list	second item. Certification generally includes elements of both verification and validation. For this reason it was removed from the descriptions of both in the IS.	Add note to clarify or delete.
GBR	50	TL	6.2.9	list	third item. Not only acceptance but also formative	Replace "acceptance tests" with "evaluation"
GBR	51	TH	6.2.10	figure 15	This figure is more specific than the IS and implies a	Revise
GBR	52	TH	7		This figure is more specific than the IS. The IS only provides an example set of stages. This clause and especially the figure are much more specific than the IS. Suggest that the whold clause should be moved to an annex as an example of an application model rather than being presented as a direct derivation from the IS.	Discuss location and introduction of this clause.
GBR	53	TH	7.2		Why are almost all of the examples from IT?	Extend the examples to cover more industrial sectors.
GBR	54	TL	7.2.1.2	Examples	In house standard IT systems is not specific enough. Also other examples could be provided.	Replace "in house standard IT systems" with "infrastructure IT" and add control systems and consumer products.
GBR	55	TL	7.2.1.3	item c	Rather more suited to continuous prototyping (herein called incremental) lifecycle than sequential.	Move to 7.2.2.3

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GBR	56	TH	7.2.2		This clause is rather confused. The permission to release the conceptual prototype as a version courts risk. Does "last version" mean final version? Alternatives for release and support are over-specific.	Re-write
GBR	57	TL	7.2.2.1	examples	Standard IT systems is not clear	Replace "standard IT systems" with "standard IT products"
GBR	58	TL	7.2.3.1	Examples	Process control applications should absolutely not be incrementally developed in the fashion described. Maintenance of system integrity would be compromised. Please do not suggest this option. Prototyping is of course a good idea to define the requirements.	Delete "process control systems"
GBR	59	TL	7.2.3.3	item b	No need for "could" in the item. The first sentence of the clause covers this and customer feedback should be encouraged rather than treated as a secondary option.	Replace "could" with "can"
GBR	60	TH	7.3	Paragraph 3	This is not a believable stopping rule.	Use the stopping rule from the IS - implementation with acceptable risk.
GBR	61	E	7.3		This clause is rather long. Divide it into sections, especially separate the technical review and audit part.	As comment
GBR	62	TL	7.3		Clarify that this model is not required by the IS and is most helpful in the development stage of the lifecycle.	
GBR	63	TL	A	Figure a.1	Does this figure describe any of the listed standards or is it just a concept?	
GBR	64	TL	B 2		The list of special factors should include usability.	Usability (engineering) is about taking account of human capabilities and limitations in order to meet target levels of user effectiveness, efficiency and satisfaction.
GBR	65	TL	B 2.3		"Welfare" has several meanings. In the US it means unemployment hand-outs and in the UK the concept described is called well-being.	Decide on a widely-understood term.
GBR	66	TL	B 3	Figure B.1	ISO 6385 is about ergonomic factors rather than usability factors.	
GBR	67	TL	B 3	Figure B.1	ISO 9241 is a 19 part standard that provides recommendations for tasks, workspace, physical and software ergonomics. Part 2 gives guidance on user's tasks	Clarify the nature of ISO 9241. The text of the comment may be suitable.
GBR	68	TH	C	Table C.20	Where is training of operators as implementation of the human element of the system?	Add text to cover the human elements of a system

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GBR	69	TH	D		Should this be documentation or information produced? Also although this is a good start the input items to the processes would be very useful.	Discuss the scope of this annex.
GBR	70	TH	D	Table D.9	Add the context of use statement as a product from stakeholder requirements definition	As comment
GBR	71	TH	D	Table D.9	Add context of use analysis as a product from stakeholder requirments	As comment
GBR	72	G			The terminology is very defence oriented and alternative terms should be chosen in all cases, e.g. mission, platform, concept of use, opeational scenarios	
GBR	73	G			The Guide reads as a development-centred view of a life cycle rather than a complete life cycle view. It does not provide guidance for the complete life cycle and therefore does not appear to meet its purpose for guidance on processes throughout the life cycle. Many processes are missed out. Some technical ones are covered in detail, others not at all; not coverage of project or enterprise processes like the technical processes. Little guidance is given after the development of a system has been completed. Much of the potential of 15288 is not addressed.	Write a life cycle process Guide
GBR	74	G			The term re-engineering is not understood. It is not defined. If it is a subset of the verb engineering then define and use all other members of the set.	Remove references to re-engineering.
GBR	75	G			Guide appears to have been written by engineers, for engineers, in an engineering style. The Standard is however something that business managers and project managers should be able to relate to.	
GBR	76	G			The use of system element does not appear to be consistent with Standard. System product appears without defintion.	
GBR	77	G			The Guide refers to enabling systems with considerable emphasis. Issues of enabling systems are most effectively handled by considering them as the system of interest as stated in the Standard. This is not made clear and could remove some unnecessary text.	n

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GBR	78	TL	Introduction	para 1	organizations are both acquirers and suppliers.	delete 'is the' replace with 'both as an'
GBR	79	TL	Introduction	para 2	Projects are interested in the operational environment of the system of interest	insert 'and its operational environment' after 'interest'
GBR	80	TH	Introduction	Fig 1	Inconsistency in the graphic. Project are part of an organization. Enterprise management creates and monitors projects.	Correct inconsistency
GBR	81	TL	Introduction	para 3	First sentence uses support which is confusing	Just use enable.
GBR	82	TL	Introduction	para 3	Second sentence says nothing useful	Remove
GBR	83	TL	Introduction	para 3	Implies individual technology systems. Not really intended	Reword to clarify combinations of.
GBR	84	TH	Introduction	para 5	May only be applied at one level.	Replace applied at multiple levels by applicable to any level
GBR	85	TL	Introduction	Par 7	Example of duration not required	Delete
GBR	86	TH	Introduction	Figure 2	Agreement processes exist between enterprise and enterprise, enterprise and project. This is not conveyed in graphic. Also in Figure 3, this is not the only use of	Modify graphics.
GBR	87	TL	1.1	1	The guidance in not on implementing 15288 but on using it.	For the implementation replaced by 'that may be used in order to apply'
GBR	88	TL	1.1	3	Guide is not used for assessing. Also 1.2 1)	replace assessment with aiding the assessment of
GBR	89	TL	4.2	Paragraph 1	this introduction to tailoring is not too clear. E.g first sentence.	reword for better understanding or delete
GBR	90	TH	4.2	para 3	First sentence suggest it is always reduction. Second sentence of para 3 is misleading since any process can be used in any stage, they are not stage specific.	Avoid misleading statements
GBR	91	TL	4.3		This sections does not explain much, but is a useful list and would be better in the annexes	Move material to annexes
GBR	92	TL	4.4		The second para seems to be concerned with	redraft or delete
GBR	93	TL	4.4.1	1	depth of application is not clear.	replace depth of application with level of detail
GBR	94	TL	4.4.3		line in/line out not clear	reword
GBR	95	TL		3	change order of the first two sentences for better understanding	
GBR	96	TL	5.2.3	4 and figure 6	Manufacturing and test are valid enabling systems but it should be explained that unlike the other four, they are not in the International Standard.	Add text to make this point

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GBR	97	TH			Any system is distinguished for any other by its boundary. The first sentence has little purpose. The clause is a project related concept not a system concept. It is concerned with project scope rather than system of interest boundaries	Move to project text in Guide.
GBR	98	TH	5.3.1.3	Fig 8 and text	The guide fails to make clear that the project for a system of interest is responsible for specified services being provided by enabling systems. Figure 8 implies equal interest in the system of interest and the enabling systems. This may be the case when no services can be acquired and the system of interest project is stuck having to be responsible for the enabling system life cycle as well. the figure also omits the project interest in the systems in the operational	Modify the presentation of ideas in text and figure
GBR	99	TH	5.3.2	Figure 9	Confusing picture that raises more questions that it answers. What is the terminating criterion for the figure.	Delete figure
GBR	100	TL	5.3.2.1		If this assertion is correct and authoritative at the level of international standardisation, then it needs to be referenced. Otherwise remove since it is too easily challenged.	Remove or add well respected reference.
GBR	101	TL	5.4	2	Negative statement.	replace difficult to manage with need to be considered
GBR	102	TL	5.4	3	Realization is part of creation. Otherwise new definitons are needed	Remove one or other term.
GBR	103	TH	5.4		It is not made clear that stages are not necessarily(even ever) end-to-end sequential. The figure is not intended to be a time line, more a sequence of concepts.	Add text to clarify that figure is no a time line.
GBR	104	TL	5.5.1	Figure 11	product and service are also be an input. Consumable materials appear as an input a the bottom	update figure.
GBR	105	TL	5.5.2.2	p1 s1	Not just for engineering or acquiring enabling systems	Delete 'for engineering.....enabling systems.'
GBR	106	TL	5.5.2.2	Paragraph 3	Subcontractor is a supplier which has already been covered	Remove subcontractor from sentence
GBR	107	TL	5.5.2.3	p3	Meaning of sentence 1 unclear	clarify sentence
GBR	108	TL	5.5.3	2nd sentence	Value judgement that insults readers	Remove
GBR	109	TL	5.5.3.1	paragraph one	Added value is not specific, what technical or commercial property is added to	Make clearer
GBR	110	TL	5.5.3.2		Iteration is refinement at a particular level of detail	replace system element with level of system detail
GBR	111	TL	5.5.4		Exactly what a method is open to interpretation	Define method (and maybe tool)

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GBR	112	TL	6.1		Purpose of the last paragraph is unclear. why does the size of a system matter so much, its complexity is far more important. What does system scope mean?	Clarify sentence and bullet list
GBR	113	TH	6.2		It is not obvious what engineering a system means. The text suggest developing and making it, but the technical processes go well beyond that. They are the system level thinking across the whole life cycle. In any case, even a model may be operated and maintained and disposed of during conception. Dont focus on the 'first few'. Also there is no specific order to processe use so the 'first three' does not	Introduce all the technical processes
GBR	114	TH	6.2	Figure14	How do you validate without using the operation process?	Correct figure
GBR	115	TL	6.2.1	Para 3 sen 1	If requirements are not know or are not collectable, how can they be collected.	Delete sentence
GBR	116	TH	6.2.2		There is no guidance on requirements analysis	Give guidance in 6.2.2, there is good material in 6.2.3
GBR	117	TL	6.2.4		The title is misleading. The name is unhelpful. There is no process or stage of this name. ISO/IEC 12207 is not a software development standard.	Remove from this point in the text and include in explanation of recursion
GBR	118	TL	6.2.7		What is a level 1 system-of-interest	Define a 'level 1 system-of-interest' in the glossary or remove
GBR	119	TH	6.2.8		There is no guidance on the Transition Process	Give guidance
GBR	120	TH	6.2.10		The premise in sentence 1 is incorrect, as is fig 15	Delete 6.2.10 and figure
GBR	121	TH	6.2.10		Enabling systems are dealt with by considering them as systems of interest and then applying the International Standard. This is no made clear, in fact it almost suggests that they are part of the system of interest, which is not what the International Standard says.	reword to guide readers in a good direction
GBR	122	TH	6.x.x		What happened to the other technical processes?	Complete or explain why not covered.
GBR	123	TH	6.3	Figure 16	Three technical processes occur twice, once as part of the set in the large box and then are shown having an external effect on themselves.	Explain the concept being conveyed
GBR	124	TH	6		Why did only some technical processes receive treatment and not the project and enterprise processes. There seems to be no attempt to address the fact that the standard is as much about management as engineering	Give a balanced treatment to all the processes or leave out the current text on individual, selected technical processes.

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GBR	125	TL	7.1	Figure 18	Organization Model and Engineering Model are Views not Models	Delete model and replace with view (and in later text)
GBR	126	TL	7.2		Actually addresses system life cycle managment through enterprise (and possibly project) control and decision making. Title is at variance with text.	retitle
GBR	127	TL	7.2	para5	A new and confusing term of execution phase introduces no value. Concept of phase would need explanation and	Delete para
GBR	128	TL	8.2		It is not necessary or helpful to write this in the conditional.	Remove the conditional