MB/ NC¹	Line number	Clause/ Subclause	Paragraph/ Figure/Table	Type of comment ²	Comments	Proposed change	Observations of the secretariat
GB 1 001				Ge	Consider all outstanding issues before the final TS is produced.		
CA1 002				GE	We do not have technical comments on the document, however, we note that the format of the document is inconsistent with the ISO IEC Directives part 2, and with the ISO Online Browsing Platform, which makes the following clauses available publically, clauses 1, 2 and three.	Restructure the document such that Clause 1 is scope Clause 2 is Normative References Clause 3 is Terms and Definitions Place other material in clauses 4, 5, 6, etc.	
CH-1 003				ge	Consider adoption of the Concepts TS to ISO/IEC 14882:2014, given its relevance to other TSes. Building a house of cards of possibly volatile TSes is a disservice to the community and risks relevance and adoption of this TS.	Consider adoption of the Concepts TS to ISO/IEC 14882:2014.	
CH-2 004				ge	Open a NWIP for the application of this TS to the library part of ISO/IEC 14882:2014. Without this work item, relevance and adoption of this TS are at risk.	Open a NWIP for the application of this TS to the library part of ISO/IEC 14882:2014.	
US 005		01.04	6	Ed	Headers are not provided in "directories" – instead, we introduce a common prefix for the new headers.	Reword without reference to "directories".	
US 006		02.01.1		Ed	The wording no longer matches the more thoroughly reviewed form in the C++17 Working Draft.	Entirely replace this wording with the proposed wording for C++17.	

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² **Type of comment: ge** = general **te** = technical **ed** = editorial

MB/ NC¹	Line number	Clause/ Subclause	Paragraph/ Figure/Table	Type of comment ²	Comments	Proposed change	Observations of the secretariat
US 007		03.03.2.3	3	Те	objects to be "equal"? Are they required to provide an overload for operator==? The	Provide a more nuanced wording that two such objects shall have identical behavior when used as described in their customization contract. Clarify if, for example, two objects can hold logging information tracking which one is called, as long as the logging info does not interfere with contractual behavior.	
US 008		03.04.1.1	1	Ed	Macros are not entities c.f. C++ standard, ISO 14882:3p3		
US 009		03.04.3.3	2	Ed	It is not clear what "effects are undefined" means from a standards perspective.	Reword, such as "the program has undefined behaviour if"	
US 010		04.01	3	Ed	This sentence would be redundant with a proper header synopsis.	Strike sentence once synopsis is added.	

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US 011		04.02		Ed	There is no synopsis for header <experimental concepts="" ranges=""></experimental>	Provide the synopsis for <experimental concepts="" ranges="">. This will include setting the precedent for how to declare a concept in a header synopsis.</experimental>	
GB 2 012		04.02.2		Te	Is 'const' part of the type? In 4.2.2 Concept Same [concepts.lib.corelang.same] we read: "Same <t, u="">() is satisfied if and only if T and U denote the same type." is the intention that Same<const t="" t,="">() is true or false?</const></t,>	Clarify the meaning - perhaps in terms of std::is_same or using the same wording ("T and U name the same type with the same cv-qualifications")	
GB 3 013		06.02.1		Ed	Ordering of Iterator requirements p8 defines 'reachable' and p10 uses it; it might be better if p10 is moved before the current p9.	In 6.2.1 swap over p9 and p10. Additionally, 'valid' should be italicised in the new p9.	
GB 4 014		06.02.4	02.3	Те	Unspecified evaluation order for concept WeaklyIncrementable — If i is incrementable, then &++i == &i. However the C++ standard makes no guarantees about the evaluation order of the expressions in ==. (This also affects 6.2.12 p3.1)	Replace the C++ syntax '==' with 'is equal to'	
JP 015		06.09.2.2	p1	ed	ranges::begin(t) is missing in "requires" for Range.	Add "ranges::begin(t);" to "requires".	
GB 5 016		07.01	p10	Ed	Missing 'shall' in 7.1p10 "Implementations provide a mechanism to resolve this ambiguity in favor of the overload that takes two ranges."	Add 'shall' after 'Implementations'	
JP 017		07.03.12	р3	ed	Use of "distance" in this subclause only would be inconsistent.	Change "distance(first1,last1)" to "last1-first1" as in other subclauses.	

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JP 018		07.04.4	p5	ed	Lack of consideration about projection in Complexity.	Add a description about projection.	
US 019		08		Ge	•	Add range overloads in <experimental numeric="" ranges=""> for: accumulate, inner_product, partial_sum, adjacent_different, and iota.</experimental>	
US 020		A.2		Ed	rather than in the normative section, with a	Move the specification of the deprecated forms of mismatch, equal, is_permuatation, swap_ranges, and transform algorithms directly into Annex A.	

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NC ¹	number	Subclause	Figure/Table	comment ²			secretariat

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