COMPARSION BETWEEN PROPOSED AND IMPOSED VARIANT MAPPINGS

This document provides a comparison of variant mappings between different LGR proposals.

*On the* *left* of the **<-->** is shown the variant set as defined in the relevant proposal and *on the* *right*, the combined variant set from a **test integration**. The test integration included all the LGRs proposals for the planned LGR-4; however, only the effects on Armenian, Cyrillic, Greek and Latin script proposals are shown in this document.

For the integrated set *on the right*, code points not part of the script LGR being compared to are enclosed in [ ]. For example, in the section on Armenian, only Armenian code points are not in [ ].

In-script mappings are shown in yellow: On the left: these mappings where present in the proposed LGR for the given script. On the right: these mappings would be imposed as part of integration or are part of a merged set.

ASCII variants: in-script variants for ASCII characters caused by transitivity. These are not permitted because ASCII TLDs are not part of the scope of the IDN TLD process.

{NONE}: the original LGR for the script did not contain a variant set for the given code points

Merged variant sets are shown in blue: due to transitivity, some variants sets that are originally disjoint would be merged after integration. (There are many variant sets for Latin that would end up merged by test integration.)

**[not part of XXX repertoire]:** a proposed LGR contains a cross-script variant to a code point not found in the target script’s repertoire.

Note: any cross-script variant sets where all involved proposals agree with each other are not shown. Any sets where proposals disagree are shown only where a proposal’s set differs from the integrated set.

DATE: proposals and test integration as of October 28, 2019

**Armenian LGR as published <--> Test integration**

 006E,0578 <--> [006E],[0144],[0146],[014B],[03AE],[03B7],0572,0578,[1E47],[1E49],[1E4B]

 03B7,0572 <--> [006E],[0144],[0146],[014B],[03AE],[03B7],0572,0578,[1E47],[1E49],[1E4B]

 006F,03BF,043E,0585 <--> [006F],[006F 0331],[00F2],[00F3],[03BF],[03CC],[043E],0585,[1ECD],[1ECD 0300],[1ECD 0301][[1]](#footnote-1)

 0075,057D <--> [0075],[00FA],[00FC],[0173],[03B0],[03C5],[03CB],[03CD],[045F],057D,[1EE5]

 0269,03B9,0582 <--> [0069],[0069 0331],[00EC],[00ED],[00EF],[0131],[0269],[0390],[03AF],
[03B9],[03CA],[0456],[0457],0582,[1ECB]

**Cyrillic LGR as published <--> Test integration**

 0061,0430 <--> [0061],[0061 0331],[00E1],[0105],[03AC],[03B1],0430,[1EA1]

 0065,0435 <--> [0065],[0065 0331],[0119],0435,[1EB9]

 0069,0456 <--> [0069],[0069 0331],[00EC],[00ED],[00EF],[0131],[0269],[0390],[03AF],[03B9],[03CA],0456,0457,[0582],[1ECB]

 006A,0458 <--> [006A],[012F],0458

 006C,04CF <--> [006C],[013C],04CF,[1E37],[1E3D]

 006F,03BF,043E,0585 <--> [006F],[006F 0331],[00F2],[00F3],[03BF],[03CC],043E,[0585],[1ECD],[1ECD 0300],[1ECD 0301]

 0070,0440 <--> [0070],[03C1],0440

 0073,0455 <--> [0073],[015F],[0219],0455,[1E63]

 0079,0443 <--> [0076],[0079],[0263],[03B3],[03BD],0443,04AF,04B1,[1EF5]

 00EF,0457 <--> [0069],[0069 0331],[00EC],[00ED],[00EF],[0131],[0269],[0390],[03AF],[03B9],[03CA],0456,0457,[0582],[1ECB]

 0103,04D1 <--> [0103],04D1,[1EA7]

 **0275**,04E9 <--> **[0275 (barred o) not in final Latin repertoire]**

 03BA,043A <--> [03BA],043A,049B

 {NONE} <--> [0072],0433

 {NONE} <--> [0075],[00FA],[00FC],[0173],[03B0],[03C5],[03CB],[03CD],045F,[057D],[1EE5]

 {NONE} <--> [0076],[0079],[0263],[03B3],[03BD],0443,04AF,04B1,[1EF5]

 {NONE} <--> [0155],0453

 {NONE} <--> [024D],0493

 {NONE} <--> [03B8],04E9

 {NONE} <--> [03C4],0442,04AD

**Greek Draft LGR as received <--> Test integration**

 0069,00EC,00ED,00EF,0269,0390,03AF,03B9,03CA,0456,0457,0582 <--> [0069],[0069 0331],
[00EC],[00ED],[00EF],[0131],[0269],0390,03AF,03B9,03CA,[0456],[0457],[0582],[1ECB]

 006E,0144,0146,014B,03AE,03B7,0572,1E47 <--> [006E],[0144],[0146],[014B],03AE,03B7,[0572],[0578],[1E47],[1E49],[1E4B]

 006F,00F2,00F3,022F,03BF,03CC,043E,0585,1ECD <--> [006F],[006F 0331],
[00F2],[00F3],03BF,03CC,[043E],[0585],[1ECD],[1ECD 0300],[1ECD 0301]

 0076,0263,03B3,03BD,04AF,04B1,1E7F <--> [0076],[0079],[0263],03B3,03BD,[0443],[04AF],[04B1],[1EF5]

 00FC,028B,03B0,03C5,03CB,03CD <--> [0075],[00FA],[00FC],[0173],03B0,03C5,03CB,03CD,[045F],[057D],[1EE5]

 **0251**,03AC,03B1 <--> **[0251 (Latin alpha) not in final Latin repertoire]** [0061],[0061 0331],[00E1],[0105],03AC,03B1,[0430],[1EA1]

 025B,03AD,03B5 <--> [025B],[025B 0331],03AD,03B5

 {NONE} <--> [0070],03C1,[0440]

 {NONE} <--> [0073 0073],[00DF],03B2 [[2]](#footnote-2)

 {NONE} <--> [01A1],03C3,[1EE3]

**Latin Draft LGR as received <--> Test integration**

 0061,0061 0331,0105,03B1,0430,1EA1 <--> 0061,0061 0331,00E1,0105,[03AC],[03B1],[0430],1EA1

 00E1,03AC <--> 0061,0061 0331,00E1,0105,[03AC],[03B1],[0430],1EA1

 0069,0069 0331,0456,1ECB <--> 0069,0069 0331,00EC,00ED,00EF,0131,0269,
 [0390],[03AF],[03B9],[03CA],[0456],[0457],[0582],1ECB

 00ED,03AF <--> 0069,0069 0331,00EC,00ED,00EF,0131,0269,
 [0390],[03AF],[03B9],[03CA],[0456],[0457],[0582],1ECB

 00EF,03CA,0457 <--> 0069,0069 0331,00EC,00ED,00EF,0131,0269,
 [0390],[03AF],[03B9],[03CA],[0456],[0457],[0582],1ECB

 0131,0269,03B9,0582 <--> 0069,0069 0331,00EC,00ED,00EF,0131,0269,
 [0390],[03AF],[03B9],[03CA],[0456],[0457],[0582],1ECB

 006E,0146,014B,0578,1E47,1E49,1E4B <--> 006E,0144,0146,014B,[03AE],[03B7],[0572],[0578],1E47,1E49,1E4B

 006F,006F 0331,03BF,043E,0585,1ECD <--> 006F,006F 0331,00F2,00F3,[03BF],[03CC],
 [043E],[0585],1ECD,1ECD 0300,1ECD 0301

 00F2,1ECD 0300 <--> 006F,006F 0331,00F2,00F3,[03BF],[03CC],
 [043E],[0585],1ECD,1ECD 0300,1ECD 0301

 00F3,03CC,1ECD 0301 <--> 006F,006F 0331,00F2,00F3,[03BF],[03CC],
 [043E],[0585],1ECD,1ECD 0300,1ECD 0301

 0075,0173,**028B**,03C5,045F,057D,1EE5 <--> **[028B (Latin u with hook)
 listed as out-of- repertoire by mistake?]** 0075,00FA,00FC,0173,[03B0],[03C5],[03CB],
 [03CD],[045F],[057D],1EE5

 00FA,03CD <--> 0075,00FA,00FC,0173,[03B0],[03C5],[03CB],
 [03CD],[045F],[057D],1EE5

 00FC,03CB <--> 0075,00FA,00FC,0173,[03B0],[03C5],[03CB],
 [03CD],[045F],[057D],1EE5

 0076,03BD <--> 0076,0079,0263,[03B3],[03BD],[0443],[04AF],[04B1],1EF5

 0079,0263,03B3,0443,04AF,1EF5 <--> 0076,0079,0263,[03B3],[03BD],[0443],[04AF],[04B1],1EF5

 025B,025B 0331,03B5 <--> 025B,025B 0331,[03AD],[03B5]

1. In the view of the IP, the letter ‘o’ should have cross-script variants to several non-European scripts. To become part of the integrated LGR, these need to be added to at least one of the European script LGRs. As of this date, that hasn’t been done and therefore the effect is not showing up for this test integration. [↑](#footnote-ref-1)
2. The Latin proposal defines a sequence “ss” but does not provide cross-script variants for it such as [0455 0455], nor transitive in-script variants such as [015F 015F]. These should be based on the existing mappings for ‘s’ (0073). If added, they would show up here. [↑](#footnote-ref-2)