

Universal Multiple-Octet Coded Character Set  
International Organization for Standardization  
Organisation Internationale de Normalisation  
Международная организация по стандартизации

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**1. Introduction.** The encoding of Sumero-Akkadian Cuneiform in Unicode is a multi-phase process. In the first phase, the principal focus was signs from 2100 BCE onwards, with earlier material covered to the extent that it was clearly understood. This document aims to complete the Hittite and Elamite repertoires, to fill gaps in the published sign lists and to provide better alignment with R. Borger's *Mesopotamisches Zeichenlexikon*, the definitional sign repertoire for Sumero-Akkadian Cuneiform as attested from about 2000 BCE onwards. An exhaustive online sign-list is being prepared at <http://oracc.museum.upenn.edu/ogsl/>, and the characters listed here are included in that list.

If this proposal is accepted, two glyphs will be changed, two formal name aliases will be added, and 56 new characters will be added to the standard. The new characters' properties are shown in §3 below and their names and glyphs in the code chart.

**2. SHIR versus NU11.** Recent research and collation of originals has shown that some signs involving SHIR (𒊩) should actually be described by reference to NU11 (𒊮). Two encoded characters require redescription and glyph replacement as a result. These are the characters affected:

U+122D4 CUNEIFORM SIGN SHIR TENU with the current reference glyph 𒊩 .  
U+122D5 CUNEIFORM SIGN SHIR OVER SHIR BUR OVER BUR with current glyph 𒊩𒊮.

Our request is that the following *formal name aliases* for U+122D4 and U+122D5 be adopted and added to the standard.

U+122D4 CUNEIFORM SIGN NU11 TENU with reference glyph 𒊮 .  
U+122D5 CUNEIFORM SIGN NU11 OVER NU11 BUR OVER BUR with reference glyph 𒊮𒊮.

**3. Unicode Character Properties.** Character properties for the new characters are proposed here.

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1236F;CUNEIFORM SIGN KAP ELAMITE;Lo;0;L;;;;N;;;;;
12370;CUNEIFORM SIGN AB TIMES NUN;Lo;0;L;;;;N;;;;;
12371;CUNEIFORM SIGN AB2 TIMES A;Lo;0;L;;;;N;;;;;
12372;CUNEIFORM SIGN AMAR TIMES KUG;Lo;0;L;;;;N;;;;;
12373;CUNEIFORM SIGN DAG KISIM5 TIMES U2 PLUS MASH;Lo;0;L;;;;N;;;;;
12374;CUNEIFORM SIGN DAG3;Lo;0;L;;;;N;;;;;
12375;CUNEIFORM SIGN DISH PLUS SHU;Lo;0;L;;;;N;;;;;
12376;CUNEIFORM SIGN DUB TIMES SHE;Lo;0;L;;;;N;;;;;
12377;CUNEIFORM SIGN EZEN TIMES GUD;Lo;0;L;;;;N;;;;;
12378;CUNEIFORM SIGN EZEN TIMES SHE;Lo;0;L;;;;N;;;;;
12379;CUNEIFORM SIGN GA2 TIMES AN PLUS KAK PLUS A;Lo;0;L;;;;N;;;;;
1237A;CUNEIFORM SIGN GA2 TIMES ASH2;Lo;0;L;;;;N;;;;;
1237B;CUNEIFORM SIGN GE22;Lo;0;L;;;;N;;;;;
1237C;CUNEIFORM SIGN GIG;Lo;0;L;;;;N;;;;;
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1237D;CUNEIFORM SIGN HUSH;Lo;0;L;;;;;N;;;;;  
1237E;CUNEIFORM SIGN KA TIMES ANSHE;Lo;0;L;;;;;N;;;;;  
1237F;CUNEIFORM SIGN KA TIMES ASH3;Lo;0;L;;;;;N;;;;;  
12380;CUNEIFORM SIGN KA TIMES GISH;Lo;0;L;;;;;N;;;;;  
12381;CUNEIFORM SIGN KA TIMES GUD;Lo;0;L;;;;;N;;;;;  
12382;CUNEIFORM SIGN KA TIMES HI TIMES ASH2;Lo;0;L;;;;;N;;;;;  
12383;CUNEIFORM SIGN KA TIMES LUM;Lo;0;L;;;;;N;;;;;  
12384;CUNEIFORM SIGN KA TIMES PA;Lo;0;L;;;;;N;;;;;  
12385;CUNEIFORM SIGN KA TIMES SHUL;Lo;0;L;;;;;N;;;;;  
12386;CUNEIFORM SIGN KA TIMES TU;Lo;0;L;;;;;N;;;;;  
12387;CUNEIFORM SIGN KA TIMES UR2;Lo;0;L;;;;;N;;;;;  
12388;CUNEIFORM SIGN LAGAB TIMES GI;Lo;0;L;;;;;N;;;;;  
12389;CUNEIFORM SIGN LU2 SHESHIG TIMES BAD;Lo;0;L;;;;;N;;;;;  
1238A;CUNEIFORM SIGN LU2 TIMES ESH2 PLUS LAL;Lo;0;L;;;;;N;;;;;  
1238B;CUNEIFORM SIGN LU2 TIMES SHU;Lo;0;L;;;;;N;;;;;  
1238C;CUNEIFORM SIGN MESH;Lo;0;L;;;;;N;;;;;  
1238D;CUNEIFORM SIGN MUSH3 TIMES ZA;Lo;0;L;;;;;N;;;;;  
1238E;CUNEIFORM SIGN NA4;Lo;0;L;;;;;N;;;;;  
1288F;CUNEIFORM SIGN NIN;Lo;0;L;;;;;N;;;;;  
12390;CUNEIFORM SIGN NIN9;Lo;0;L;;;;;N;;;;;  
12391;CUNEIFORM SIGN NINDA2 TIMES BAL;Lo;0;L;;;;;N;;;;;  
12392;CUNEIFORM SIGN NINDA2 TIMES GI;Lo;0;L;;;;;N;;;;;  
12393;CUNEIFORM SIGN NU11 ROTATED NINETY DEGREES;Lo;0;L;;;;;N;;;;;  
12394;CUNEIFORM SIGN PESH2 ASTERISK;Lo;0;L;;;;;N;;;;;  
12395;CUNEIFORM SIGN PIR2;Lo;0;L;;;;;N;;;;;  
12396;CUNEIFORM SIGN SAG TIMES IGI GUNU;Lo;0;L;;;;;N;;;;;  
12397;CUNEIFORM SIGN TI2;Lo;0;L;;;;;N;;;;;  
12398;CUNEIFORM SIGN UM TIMES ME;Lo;0;L;;;;;N;;;;;  
12399;CUNEIFORM SIGN U U;Lo;0;L;;;;;N;;;;;  
12463;CUNEIFORM NUMERIC SIGN ONE QUARTER GUR;N1;0;L;;;;;1/4;N;;;;;  
12464;CUNEIFORM NUMERIC SIGN ONE HALF GUR;N1;0;L;;;;;1/2;N;;;;;  
12465;CUNEIFORM NUMERIC SIGN ELAMITE ONE THIRD;N1;0;L;;;;;1/3;N;;;;;  
12466;CUNEIFORM NUMERIC SIGN ELAMITE TWO THIRDS;N1;0;L;;;;;2/3;N;;;;;  
12467;CUNEIFORM NUMERIC SIGN ELAMITE FORTY;N1;0;L;;;;;40;N;;;;;  
12468;CUNEIFORM NUMERIC SIGN ELAMITE FIFTY;N1;0;L;;;;;50;N;;;;;  
12469;CUNEIFORM NUMERIC SIGN FOUR U VARIANT FORM;N1;0;L;;;;;4;N;;;;;  
1246A;CUNEIFORM NUMERIC SIGN FIVE U VARIANT FORM;N1;0;L;;;;;5;N;;;;;  
1246B;CUNEIFORM NUMERIC SIGN SIX U VARIANT FORM;N1;0;L;;;;;6;N;;;;;  
1246C;CUNEIFORM NUMERIC SIGN SEVEN U VARIANT FORM;N1;0;L;;;;;7;N;;;;;  
1246D;CUNEIFORM NUMERIC SIGN EIGHT U VARIANT FORM;N1;0;L;;;;;8;N;;;;;  
1246E;CUNEIFORM NUMERIC SIGN NINE U VARIANT FORM;N1;0;L;;;;;9;N;;;;;  
12474;CUNEIFORM PUNCTUATION SIGN DIAGONAL QUADCOLON;Po;0;L;;;;;N;;;;;

**4.1. Ordering of syllables.** The new signs should be ordered according to their transcription, as other Cuneiform characters are. A supplementary document will be provided to the editors of the UCA and of ISO/IEC 14651 regarding the ordering of the characters proposed here as well as those proposed for Early Dynastic Cuneiform.

**4.2. Normative ordering change in the UCA and ISO/IEC 14651.** It will be necessary to move two characters associated with the character redefinition listed in Section 2 above, namely:

122D4 CUNEIFORM SIGN SHIR TENU moves to follow 12397 CUNEIFORM SIGN NU11 ROTATED NINETY DEGREES

122D5 CUNEIFORM SIGN SHIR OVER SHIR BUR OVER BUR moves to follow 122D4 CUNEIFORM SIGN SHIR TENU

**4.3. Ordering of numeric characters.** The new U variant digits should be ordered as other Cuneiform digits are. The new fraction signs and Elamite numbers should be ordered as other Cuneiform non-digit numeric symbols are.

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	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	122A	122B	122C	122D	122E	122F
0	12200	12210	12220	12230	12240	12250	12260	12270	12280	12290	122A0	122B0	122C0	122D0	122E0	122F0
1	12201	12211	12221	12231	12241	12251	12261	12271	12281	12291	122A1	122B1	122C1	122D1	122E1	122F1
2	12202	12212	12222	12232	12242	12252	12262	12272	12282	12292	122A2	122B2	122C2	122D2	122E2	122F2
3	12203	12213	12223	12233	12243	12253	12263	12273	12283	12293	122A3	122B3	122C3	122D3	122E3	122F3
4	12204	12214	12224	12234	12244	12254	12264	12274	12284	12294	122A4	122B4	122C4	122D4	122E4	122F4
5	12205	12215	12225	12235	12245	12255	12265	12275	12285	12295	122A5	122B5	122C5	122D5	122E5	122F5
6	12206	12216	12226	12236	12246	12256	12266	12276	12286	12296	122A6	122B6	122C6	122D6	122E6	122F6
7	12207	12217	12227	12237	12247	12257	12267	12277	12287	12297	122A7	122B7	122C7	122D7	122E7	122F7
8	12208	12218	12228	12238	12248	12258	12268	12278	12288	12298	122A8	122B8	122C8	122D8	122E8	122F8
9	12209	12219	12229	12239	12249	12259	12269	12279	12289	12299	122A9	122B9	122C9	122D9	122E9	122F9
A	1220A	1221A	1222A	1223A	1224A	1225A	1226A	1227A	1228A	1229A	122AA	122BA	122CA	122DA	122EA	122FA
B	1220B	1221B	1222B	1223B	1224B	1225B	1226B	1227B	1228B	1229B	122AB	122BB	122CB	122DB	122EB	122FB
C	1220C	1221C	1222C	1223C	1224C	1225C	1226C	1227C	1228C	1229C	122AC	122BC	122CC	122DC	122EC	122FC
D	1220D	1221D	1222D	1223D	1224D	1225D	1226D	1227D	1228D	1229D	122AD	122BD	122CD	122DD	122ED	122FD
E	1220E	1221E	1222E	1223E	1224E	1225E	1226E	1227E	1228E	1229E	122AE	122BE	122CE	122DE	122EE	122FE
F	1220F	1221F	1222F	1223F	1224F	1225F	1226F	1227F	1228F	1229F	122AF	122BF	122CF	122DF	122EF	122FF

	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	123A	123B	123C	123D	123E	123F
0	12300	12310	12320	12330	12340	12350	12360	12370	12380	12390						
1	12301	12311	12321	12331	12341	12351	12361	12371	12381	12391						
2	12302	12312	12322	12332	12342	12352	12362	12372	12382	12392						
3	12303	12313	12323	12333	12343	12353	12363	12373	12383	12393						
4	12304	12314	12324	12334	12344	12354	12364	12374	12384	12394						
5	12305	12315	12325	12335	12345	12355	12365	12375	12385	12395						
6	12306	12316	12326	12336	12346	12356	12366	12376	12386	12396						
7	12307	12317	12327	12337	12347	12357	12367	12377	12387	12397						
8	12308	12318	12328	12338	12348	12358	12368	12378	12388	12398						
9	12309	12319	12329	12339	12349	12359	12369	12379	12389	12399						
A	1230A	1231A	1232A	1233A	1234A	1235A	1236A	1237A	1238A							
B	1230B	1231B	1232B	1233B	1234B	1235B	1236B	1237B	1238B							
C	1230C	1231C	1232C	1233C	1234C	1235C	1236C	1237C	1238C							
D	1230D	1231D	1232D	1233D	1234D	1235D	1236D	1237D	1238D							
E	1230E	1231E	1232E	1233E	1234E	1235E	1236E	1237E	1238E							
F	1230F	1231F	1232F	1233F	1234F	1235F	1236F	1237F	1238F							

**Signs**

12200	𐎠	CUNEIFORM SIGN LU2 TIMES ESH2	12234	𐎠	CUNEIFORM SIGN MUSH TIMES KUR
12201	𐎡	CUNEIFORM SIGN LU2 TIMES ESH2 TENU	12235	𐎡	CUNEIFORM SIGN MUSH TIMES ZA
12202	𐎢	CUNEIFORM SIGN LU2 TIMES GAN2 TENU	12236	𐎢	CUNEIFORM SIGN MUSH OVER MUSH
12203	𐎣	CUNEIFORM SIGN LU2 TIMES HI TIMES BAD	12237	𐎣	CUNEIFORM SIGN MUSH OVER MUSH TIMES A PLUS NA
12204	𐎤	CUNEIFORM SIGN LU2 TIMES IM	12238	𐎤	CUNEIFORM SIGN MUSH CROSSING MUSH
12205	𐎥	CUNEIFORM SIGN LU2 TIMES KAD2	12239	𐎥	CUNEIFORM SIGN MUSH3
12206	𐎦	CUNEIFORM SIGN LU2 TIMES KAD3	1223A	𐎦	CUNEIFORM SIGN MUSH3 TIMES A
12207	𐎧	CUNEIFORM SIGN LU2 TIMES KAD3 PLUS ASH	1223B	𐎧	CUNEIFORM SIGN MUSH3 TIMES A PLUS DI
12208	𐎨	CUNEIFORM SIGN LU2 TIMES KI	1223C	𐎨	CUNEIFORM SIGN MUSH3 TIMES DI
12209	𐎩	CUNEIFORM SIGN LU2 TIMES LA PLUS ASH	1223D	𐎩	CUNEIFORM SIGN MUSH3 GUNU
1220A	𐎪	CUNEIFORM SIGN LU2 TIMES LAGAB	1223E	𐎪	CUNEIFORM SIGN NA
1220B	𐎫	CUNEIFORM SIGN LU2 TIMES ME PLUS EN	1223F	𐎫	CUNEIFORM SIGN NA2
1220C	𐎬	CUNEIFORM SIGN LU2 TIMES NE	12240	𐎬	CUNEIFORM SIGN NAGA
1220D	𐎭	CUNEIFORM SIGN LU2 TIMES NU	12241	𐎭	CUNEIFORM SIGN NAGA INVERTED
1220E	𐎮	CUNEIFORM SIGN LU2 TIMES SI PLUS ASH	12242	𐎮	CUNEIFORM SIGN NAGA TIMES SHU TENU
1220F	𐎯	CUNEIFORM SIGN LU2 TIMES SIK2 PLUS BU	12243	𐎯	CUNEIFORM SIGN NAGA OPPOSING NAGA
12210	𐎰	CUNEIFORM SIGN LU2 TIMES TUG2	12244	𐎰	CUNEIFORM SIGN NAGAR
12211	𐎱	CUNEIFORM SIGN LU2 TENU	12245	𐎱	CUNEIFORM SIGN NAM NUTILLU
12212	𐎲	CUNEIFORM SIGN LU2 CROSSING LU2	12246	𐎲	CUNEIFORM SIGN NAM
12213	𐎳	CUNEIFORM SIGN LU2 OPPOSING LU2	12247	𐎳	CUNEIFORM SIGN NAM2
12214	𐎴	CUNEIFORM SIGN LU2 SQUARED	12248	𐎴	CUNEIFORM SIGN NE
12215	𐎵	CUNEIFORM SIGN LU2 SHESHIG	12249	𐎵	CUNEIFORM SIGN NE TIMES A
12216	𐎶	CUNEIFORM SIGN LU3	1224A	𐎶	CUNEIFORM SIGN NE TIMES UD
12217	𐎷	CUNEIFORM SIGN LUGAL	1224B	𐎷	CUNEIFORM SIGN NE SHESHIG
12218	𐎸	CUNEIFORM SIGN LUGAL OVER LUGAL	1224C	𐎸	CUNEIFORM SIGN NI
12219	𐎹	CUNEIFORM SIGN LUGAL OPPOSING LUGAL	1224D	𐎸	CUNEIFORM SIGN NI TIMES E
1221A	𐎺	CUNEIFORM SIGN LUGAL SHESHIG	1224E	𐎹	CUNEIFORM SIGN NI2
1221B	𐎻	CUNEIFORM SIGN LUH	1224F	𐎺	CUNEIFORM SIGN NIM
1221C	𐎼	CUNEIFORM SIGN LUL	12250	𐎻	CUNEIFORM SIGN NIM TIMES GAN2 TENU
1221D	𐎽	CUNEIFORM SIGN LUM	12251	𐎼	CUNEIFORM SIGN NIM TIMES GAR PLUS GAN2 TENU
1221E	𐎾	CUNEIFORM SIGN LUM OVER LUM	12252	𐎽	CUNEIFORM SIGN NINDA2
1221F	𐎿	CUNEIFORM SIGN LUM OVER LUM GAR OVER GAR	12253	𐎾	CUNEIFORM SIGN NINDA2 TIMES AN
12220	𐏀	CUNEIFORM SIGN MA	12254	𐎿	CUNEIFORM SIGN NINDA2 TIMES ASH
12221	𐏁	CUNEIFORM SIGN MA TIMES TAK4	12255	𐏀	CUNEIFORM SIGN NINDA2 TIMES ASH PLUS ASH
12222	𐏂	CUNEIFORM SIGN MA GUNU	12256	𐏁	CUNEIFORM SIGN NINDA2 TIMES GUD
12223	𐏃	CUNEIFORM SIGN MA2	12257	𐏂	CUNEIFORM SIGN NINDA2 TIMES ME PLUS GAN2 TENU
12224	𐏄	CUNEIFORM SIGN MAH	12258	𐏃	CUNEIFORM SIGN NINDA2 TIMES NE
12225	𐏅	CUNEIFORM SIGN MAR	12259	𐏄	CUNEIFORM SIGN NINDA2 TIMES NUN
12226	𐏆	CUNEIFORM SIGN MASH	1225A	𐏅	CUNEIFORM SIGN NINDA2 TIMES SHE
12227	𐏇	CUNEIFORM SIGN MASH2	1225B	𐏆	CUNEIFORM SIGN NINDA2 TIMES SHE PLUS A AN
12228	𐏈	CUNEIFORM SIGN ME	1225C	𐏇	CUNEIFORM SIGN NINDA2 TIMES SHE PLUS ASH
12229	𐏉	CUNEIFORM SIGN MES	1225D	𐏈	CUNEIFORM SIGN NINDA2 TIMES SHE PLUS ASH PLUS ASH
1222A	𐏊	CUNEIFORM SIGN MI	1225E	𐏉	CUNEIFORM SIGN NINDA2 TIMES U2 PLUS ASH
1222B	𐏋	CUNEIFORM SIGN MIN	1225F	𐏊	CUNEIFORM SIGN NINDA2 TIMES USH
1222C	𐏌	CUNEIFORM SIGN MU	12260	𐏋	CUNEIFORM SIGN NISAG
1222D	𐏍	CUNEIFORM SIGN MU OVER MU	12261	𐏌	CUNEIFORM SIGN NU
1222E	𐏎	CUNEIFORM SIGN MUG	12262	𐏍	CUNEIFORM SIGN NU11
1222F	𐏏	CUNEIFORM SIGN MUG GUNU	12263	𐏎	CUNEIFORM SIGN NUN
12230	𐏐	CUNEIFORM SIGN MUNSUB	12264	𐏏	CUNEIFORM SIGN NUN LAGAR TIMES GAR
12231	𐏑	CUNEIFORM SIGN MURGU2			
12232	𐏒	CUNEIFORM SIGN MUSH			
12233	𐏓	CUNEIFORM SIGN MUSH TIMES A			

12265	𐎠𐎡	CUNEIFORM SIGN NUN LAGAR TIMES MASH	12296	𐎠𐎡	CUNEIFORM SIGN SAG TIMES A
12266	𐎠𐎡	CUNEIFORM SIGN NUN LAGAR TIMES SAL	12297	𐎠𐎡	CUNEIFORM SIGN SAG TIMES DU
12267	𐎠𐎡𐎠𐎡	CUNEIFORM SIGN NUN LAGAR TIMES SAL OVER NUN LAGAR TIMES SAL	12298	𐎠𐎡	CUNEIFORM SIGN SAG TIMES DUB
12268	𐎠𐎡	CUNEIFORM SIGN NUN LAGAR TIMES USH	12299	𐎠𐎡	CUNEIFORM SIGN SAG TIMES HA
12269	𐎠	CUNEIFORM SIGN NUN TENU	1229A	𐎠𐎡	CUNEIFORM SIGN SAG TIMES KAK
1226A	𐎠𐎡	CUNEIFORM SIGN NUN OVER NUN	1229B	𐎠𐎡	CUNEIFORM SIGN SAG TIMES KUR
1226B	𐎠𐎡𐎠𐎡	CUNEIFORM SIGN NUN CROSSING NUN	1229C	𐎠𐎡	CUNEIFORM SIGN SAG TIMES LUM
1226C	𐎠𐎡𐎠𐎡	CUNEIFORM SIGN NUN CROSSING NUN LAGAR OVER LAGAR	1229D	𐎠𐎡	CUNEIFORM SIGN SAG TIMES MI
1226D	𐎠𐎡	CUNEIFORM SIGN NUNUZ	1229E	𐎠𐎡	CUNEIFORM SIGN SAG TIMES NUN
1226E	𐎠𐎡	CUNEIFORM SIGN NUNUZ AB2 TIMES ASHGAB	1229F	𐎠𐎡	CUNEIFORM SIGN SAG TIMES SAL
1226F	𐎠𐎡	CUNEIFORM SIGN NUNUZ AB2 TIMES BI	122A0	𐎠𐎡	CUNEIFORM SIGN SAG TIMES SHID
12270	𐎠𐎡	CUNEIFORM SIGN NUNUZ AB2 TIMES DUG	122A1	𐎠𐎡	CUNEIFORM SIGN SAG TIMES TAB
12271	𐎠𐎡	CUNEIFORM SIGN NUNUZ AB2 TIMES GUD	122A2	𐎠𐎡	CUNEIFORM SIGN SAG TIMES U2
12272	𐎠𐎡	CUNEIFORM SIGN NUNUZ AB2 TIMES IGI GUNU	122A3	𐎠𐎡	CUNEIFORM SIGN SAG TIMES UB
12273	𐎠𐎡	CUNEIFORM SIGN NUNUZ AB2 TIMES KAD3	122A4	𐎠𐎡	CUNEIFORM SIGN SAG TIMES UM
12274	𐎠𐎡	CUNEIFORM SIGN NUNUZ AB2 TIMES LA	122A5	𐎠𐎡	CUNEIFORM SIGN SAG TIMES UR
12275	𐎠𐎡	CUNEIFORM SIGN NUNUZ AB2 TIMES NE	122A6	𐎠𐎡	CUNEIFORM SIGN SAG TIMES USH
12276	𐎠𐎡	CUNEIFORM SIGN NUNUZ AB2 TIMES SILA3	122A7	𐎠𐎡	CUNEIFORM SIGN SAG OVER SAG
12277	𐎠𐎡	CUNEIFORM SIGN NUNUZ AB2 TIMES U2	122A8	𐎠𐎡	CUNEIFORM SIGN SAG GUNU
12278	𐎠𐎡	CUNEIFORM SIGN NUNUZ KISIM5 TIMES BI	122A9	𐎠𐎡	CUNEIFORM SIGN SAL
12279	𐎠𐎡	CUNEIFORM SIGN NUNUZ KISIM5 TIMES BI U	122AA	𐎠𐎡	CUNEIFORM SIGN SAL LAGAB TIMES ASH2
1227A	𐎠	CUNEIFORM SIGN PA	122AB	𐎠𐎡	CUNEIFORM SIGN SANGA2
1227B	𐎠	CUNEIFORM SIGN PAD	122AC	𐎠𐎡	CUNEIFORM SIGN SAR
1227C	𐎠	CUNEIFORM SIGN PAN	122AD	𐎠𐎡	CUNEIFORM SIGN SHA
1227D	𐎠	CUNEIFORM SIGN PAP	122AE	𐎠𐎡	CUNEIFORM SIGN SHA3
1227E	𐎠𐎡	CUNEIFORM SIGN PESH2	122AF	𐎠𐎡	CUNEIFORM SIGN SHA3 TIMES A
1227F	𐎠	CUNEIFORM SIGN PI	122B0	𐎠𐎡	CUNEIFORM SIGN SHA3 TIMES BAD
12280	𐎠	CUNEIFORM SIGN PI TIMES A	122B1	𐎠𐎡	CUNEIFORM SIGN SHA3 TIMES GISH
12281	𐎠	CUNEIFORM SIGN PI TIMES AB	122B2	𐎠𐎡	CUNEIFORM SIGN SHA3 TIMES NE
12282	𐎠	CUNEIFORM SIGN PI TIMES BI	122B3	𐎠𐎡	CUNEIFORM SIGN SHA3 TIMES SHU2
12283	𐎠	CUNEIFORM SIGN PI TIMES BU	122B4	𐎠𐎡	CUNEIFORM SIGN SHA3 TIMES THUR
12284	𐎠	CUNEIFORM SIGN PI TIMES E	122B5	𐎠𐎡	CUNEIFORM SIGN SHA3 TIMES U
12285	𐎠	CUNEIFORM SIGN PI TIMES I	122B6	𐎠𐎡	CUNEIFORM SIGN SHA3 TIMES U PLUS A
12286	𐎠	CUNEIFORM SIGN PI TIMES IB	122B7	𐎠𐎡	CUNEIFORM SIGN SHA6
12287	𐎠	CUNEIFORM SIGN PI TIMES U	122B8	𐎠𐎡	CUNEIFORM SIGN SHAB6
12288	𐎠	CUNEIFORM SIGN PI TIMES U2	122B9	●	CUNEIFORM SIGN SHAR2 • formed by making a circular indentation with the end of the stylus
12289	𐎠𐎡	CUNEIFORM SIGN PI CROSSING PI	122BA	𐎠𐎡	CUNEIFORM SIGN SHE
1228A	𐎠𐎡	CUNEIFORM SIGN PIRIG	122BB	𐎠𐎡	CUNEIFORM SIGN SHE HU
1228B	𐎠𐎡	CUNEIFORM SIGN PIRIG TIMES KAL	122BC	𐎠𐎡	CUNEIFORM SIGN SHE OVER SHE GAD OVER GAD GAR OVER GAR
1228C	𐎠𐎡	CUNEIFORM SIGN PIRIG TIMES UD	122BD	𐎠𐎡	CUNEIFORM SIGN SHE OVER SHE TAB OVER TAB GAR OVER GAR
1228D	𐎠𐎡	CUNEIFORM SIGN PIRIG TIMES ZA	122BE	𐎠𐎡	CUNEIFORM SIGN SHEG9
1228E	𐎠𐎡	CUNEIFORM SIGN PIRIG OPPOSING PIRIG	122BF	𐎠𐎡	CUNEIFORM SIGN SHEN
1228F	𐎠	CUNEIFORM SIGN RA	122C0	𐎠𐎡	CUNEIFORM SIGN SHESH
12290	𐎠𐎡	CUNEIFORM SIGN RAB	122C1	𐎠𐎡	CUNEIFORM SIGN SHESH2
12291	𐎠	CUNEIFORM SIGN RI	122C2	𐎠𐎡	CUNEIFORM SIGN SHESHLAM
12292	𐎠	CUNEIFORM SIGN RU	122C3	𐎠𐎡	CUNEIFORM SIGN SHID
12293	𐎠	CUNEIFORM SIGN SA	122C4	𐎠𐎡	CUNEIFORM SIGN SHID TIMES A
12294	𐎠𐎡	CUNEIFORM SIGN SAG NUTILLU	122C5	𐎠𐎡	CUNEIFORM SIGN SHID TIMES IM
12295	𐎠𐎡	CUNEIFORM SIGN SAG	122C6	𐎠𐎡	CUNEIFORM SIGN SHIM
			122C7	𐎠𐎡	CUNEIFORM SIGN SHIM TIMES A
			122C8	𐎠𐎡	CUNEIFORM SIGN SHIM TIMES BAL
			122C9	𐎠𐎡	CUNEIFORM SIGN SHIM TIMES BULUG
			122CA	𐎠𐎡	CUNEIFORM SIGN SHIM TIMES DIN
			122CB	𐎠𐎡	CUNEIFORM SIGN SHIM TIMES GAR
			122CC	𐎠𐎡	CUNEIFORM SIGN SHIM TIMES IGI
			122CD	𐎠𐎡	CUNEIFORM SIGN SHIM TIMES IGI GUNU

122CE	𐎠𐎠𐎠	CUNEIFORM SIGN SHIM TIMES KUSHU2	12303	𐎠𐎠	CUNEIFORM SIGN TIR OVER TIR
122CF	𐎠𐎠𐎠𐎠	CUNEIFORM SIGN SHIM TIMES LUL	12304	𐎠𐎠𐎠	CUNEIFORM SIGN TIR OVER TIR GAD OVER GAD GAR OVER GAR
122D0	𐎠𐎠𐎠𐎠	CUNEIFORM SIGN SHIM TIMES MUG	12305	𐎠𐎠𐎠	CUNEIFORM SIGN TU
122D1	𐎠𐎠𐎠𐎠	CUNEIFORM SIGN SHIM TIMES SAL	12306	𐎠𐎠𐎠𐎠	CUNEIFORM SIGN TUG2
122D2	𐎠𐎠𐎠	CUNEIFORM SIGN SHINIG	12307	𐎠𐎠𐎠	CUNEIFORM SIGN TUK
122D3	𐎠𐎠𐎠	CUNEIFORM SIGN SHIR	12308	𐎠𐎠𐎠	CUNEIFORM SIGN TUM
122D4	𐎠𐎠𐎠	CUNEIFORM SIGN SHIR TENU • name is a misnomer × CUNEIFORM SIGN NU11 TENU	12309	𐎠𐎠𐎠	CUNEIFORM SIGN TUR
122D5	𐎠𐎠𐎠	CUNEIFORM SIGN SHIR OVER SHIR BUR OVER BUR × CUNEIFORM SIGN NU11 OVER NU11 BUR OVER BUR • name is a misnomer	1230A	𐎠𐎠𐎠	CUNEIFORM SIGN TUR OVER TUR ZA OVER ZA
122D6	𐎠𐎠𐎠	CUNEIFORM SIGN SHITA	1230B	𐎠𐎠	CUNEIFORM SIGN U
122D7	𐎠𐎠𐎠	CUNEIFORM SIGN SHU	1230C	𐎠𐎠𐎠	CUNEIFORM SIGN U GUD
122D8	𐎠𐎠𐎠	CUNEIFORM SIGN SHU OVER INVERTED SHU	1230D	𐎠𐎠𐎠	CUNEIFORM SIGN U U U
122D9	𐎠𐎠𐎠	CUNEIFORM SIGN SHU2	1230E	𐎠𐎠𐎠	CUNEIFORM SIGN U OVER U PA OVER PA GAR OVER GAR
122DA	𐎠𐎠𐎠	CUNEIFORM SIGN SHUBUR	1230F	𐎠𐎠𐎠	CUNEIFORM SIGN U OVER U SUR OVER SUR
122DB	𐎠𐎠𐎠	CUNEIFORM SIGN SI	12310	𐎠𐎠𐎠	CUNEIFORM SIGN U OVER U U REVERSED OVER U REVERSED
122DC	𐎠𐎠𐎠	CUNEIFORM SIGN SI GUNU	12311	𐎠𐎠𐎠	CUNEIFORM SIGN U2
122DD	𐎠𐎠𐎠	CUNEIFORM SIGN SIG	12312	𐎠𐎠𐎠	CUNEIFORM SIGN UB
122DE	𐎠𐎠𐎠	CUNEIFORM SIGN SIG4	12313	𐎠𐎠𐎠	CUNEIFORM SIGN UD
122DF	𐎠𐎠𐎠	CUNEIFORM SIGN SIG4 OVER SIG4 SHU2	12314	𐎠𐎠𐎠	CUNEIFORM SIGN UD KUSHU2
122E0	𐎠𐎠𐎠	CUNEIFORM SIGN SIK2	12315	𐎠𐎠𐎠	CUNEIFORM SIGN UD TIMES BAD
122E1	𐎠𐎠𐎠	CUNEIFORM SIGN SILA3	12316	𐎠𐎠𐎠	CUNEIFORM SIGN UD TIMES MI
122E2	𐎠𐎠𐎠	CUNEIFORM SIGN SU	12317	𐎠𐎠𐎠	CUNEIFORM SIGN UD TIMES U PLUS U PLUS U
122E3	𐎠𐎠𐎠	CUNEIFORM SIGN SU OVER SU	12318	𐎠𐎠𐎠	CUNEIFORM SIGN UD TIMES U PLUS U PLUS U GUNU
122E4	𐎠𐎠𐎠	CUNEIFORM SIGN SUD	12319	𐎠𐎠𐎠	CUNEIFORM SIGN UD GUNU
122E5	𐎠𐎠𐎠	CUNEIFORM SIGN SUD2	1231A	𐎠𐎠𐎠	CUNEIFORM SIGN UD SHESHIG
122E6	𐎠𐎠𐎠	CUNEIFORM SIGN SUHUR	1231B	𐎠𐎠𐎠	CUNEIFORM SIGN UD SHESHIG TIMES BAD
122E7	𐎠𐎠𐎠	CUNEIFORM SIGN SUM	1231C	𐎠𐎠𐎠	CUNEIFORM SIGN UDUG
122E8	𐎠𐎠𐎠	CUNEIFORM SIGN SUMASH	1231D	𐎠𐎠𐎠	CUNEIFORM SIGN UM
122E9	𐎠𐎠𐎠	CUNEIFORM SIGN SUR	1231E	𐎠𐎠𐎠	CUNEIFORM SIGN UM TIMES LAGAB
122EA	𐎠𐎠𐎠	CUNEIFORM SIGN SUR9	1231F	𐎠𐎠𐎠	CUNEIFORM SIGN UM TIMES ME PLUS DA
122EB	𐎠𐎠𐎠	CUNEIFORM SIGN TA	12320	𐎠𐎠𐎠	CUNEIFORM SIGN UM TIMES SHA3
122EC	𐎠𐎠𐎠	CUNEIFORM SIGN TA ASTERISK	12321	𐎠𐎠𐎠	CUNEIFORM SIGN UM TIMES U
122ED	𐎠𐎠𐎠	CUNEIFORM SIGN TA TIMES HI	12322	𐎠𐎠𐎠	CUNEIFORM SIGN UMBIN
122EE	𐎠𐎠𐎠	CUNEIFORM SIGN TA TIMES MI	12323	𐎠𐎠𐎠	CUNEIFORM SIGN UMUM
122EF	𐎠𐎠𐎠	CUNEIFORM SIGN TA GUNU	12324	𐎠𐎠𐎠	CUNEIFORM SIGN UMUM TIMES KASKAL
122F0	𐎠𐎠𐎠	CUNEIFORM SIGN TAB	12325	𐎠𐎠𐎠	CUNEIFORM SIGN UMUM TIMES PA
122F1	𐎠𐎠𐎠	CUNEIFORM SIGN TAB OVER TAB NI OVER NI DISH OVER DISH	12326	𐎠𐎠𐎠	CUNEIFORM SIGN UN
122F2	𐎠𐎠𐎠	CUNEIFORM SIGN TAB SQUARED	12327	𐎠𐎠𐎠	CUNEIFORM SIGN UN GUNU
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122F6	𐎠𐎠𐎠	CUNEIFORM SIGN TAG TIMES SHE	1232B	𐎠𐎠𐎠	CUNEIFORM SIGN UR2
122F7	𐎠𐎠𐎠	CUNEIFORM SIGN TAG TIMES SHU	1232C	𐎠𐎠𐎠	CUNEIFORM SIGN UR2 TIMES A PLUS HA
122F8	𐎠𐎠𐎠	CUNEIFORM SIGN TAG TIMES TUG2	1232D	𐎠𐎠𐎠	CUNEIFORM SIGN UR2 TIMES A PLUS NA
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12338	𐎠	CUNEIFORM SIGN URU TIMES A
12339	𐎡	CUNEIFORM SIGN URU TIMES ASHGAB
1233A	𐎢	CUNEIFORM SIGN URU TIMES BAR
1233B	𐎣	CUNEIFORM SIGN URU TIMES DUN
1233C	𐎤	CUNEIFORM SIGN URU TIMES GA
1233D	𐎥	CUNEIFORM SIGN URU TIMES GAL
1233E	𐎦	CUNEIFORM SIGN URU TIMES GAN2 TENU
1233F	𐎧	CUNEIFORM SIGN URU TIMES GAR
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12345	𐎮	CUNEIFORM SIGN URU TIMES KI
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12347	𐎰	CUNEIFORM SIGN URU TIMES MIN
12348	𐎱	CUNEIFORM SIGN URU TIMES PA
12349	𐎲	CUNEIFORM SIGN URU TIMES SHE
1234A	𐎳	CUNEIFORM SIGN URU TIMES SIG4
1234B	𐎴	CUNEIFORM SIGN URU TIMES TU
1234C	𐎵	CUNEIFORM SIGN URU TIMES U PLUS GUD
1234D	𐎶	CUNEIFORM SIGN URU TIMES UD
1234E	𐎷	CUNEIFORM SIGN URU TIMES URUDA
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1235D	𐏆	CUNEIFORM SIGN ZA
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12362	𐏋	CUNEIFORM SIGN ZE2
12363	𐏌	CUNEIFORM SIGN ZI
12364	𐏍	CUNEIFORM SIGN ZI OVER ZI
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1236B	𐏔	CUNEIFORM SIGN ZU5
1236C	𐏕	CUNEIFORM SIGN ZU5 TIMES A
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



























































































































## Elamite sign

1236F 𐏘 CUNEIFORM SIGN KAP ELAMITE

## Signs

12370	𐏙	CUNEIFORM SIGN AB TIMES NUN
12371	𐏚	CUNEIFORM SIGN AB2 TIMES A
12372	𐏛	CUNEIFORM SIGN AMAR TIMES KUG
12373	𐏜	CUNEIFORM SIGN DAG KISIM5 TIMES U2 PLUS MASH
12374	𐏝	CUNEIFORM SIGN DAG3
12375	𐏞	CUNEIFORM SIGN DISH PLUS SHU
12376	𐏟	CUNEIFORM SIGN DUB TIMES SHE
12377	𐏠	CUNEIFORM SIGN EZEN TIMES GUD
12378	𐏡	CUNEIFORM SIGN EZEN TIMES SHE
12379	𐏢	CUNEIFORM SIGN GA2 TIMES AN PLUS KAK PLUS A
1237A	𐏣	CUNEIFORM SIGN GA2 TIMES ASH2
1237B	𐏤	CUNEIFORM SIGN GE22
1237C	𐏥	CUNEIFORM SIGN GIG
1237D	𐏦	CUNEIFORM SIGN HUSH
1237E	𐏧	CUNEIFORM SIGN KA TIMES ANSHE
1237F	𐏨	CUNEIFORM SIGN KA TIMES ASH3
12380	𐏩	CUNEIFORM SIGN KA TIMES GISH
12381	𐏪	CUNEIFORM SIGN KA TIMES GUD
12382	𐏫	CUNEIFORM SIGN KA TIMES HI TIMES ASH2
12383	𐏬	CUNEIFORM SIGN KA TIMES LUM
12384	𐏭	CUNEIFORM SIGN KA TIMES PA
12385	𐏮	CUNEIFORM SIGN KA TIMES SHUL
12386	𐏯	CUNEIFORM SIGN KA TIMES TU
12387	𐏰	CUNEIFORM SIGN KA TIMES UR2
12388	𐏱	CUNEIFORM SIGN LAGAB TIMES GI
12389	𐏲	CUNEIFORM SIGN LU2 SHESHIG TIMES BAD
1238A	𐏳	CUNEIFORM SIGN LU2 TIMES ESH2 PLUS LAL
1238B	𐏴	CUNEIFORM SIGN LU2 TIMES SHU
1238C	𐏵	CUNEIFORM SIGN MESH
1238D	𐏶	CUNEIFORM SIGN MUSH3 TIMES ZA
1238E	𐏷	CUNEIFORM SIGN NA4
1238F	𐏸	CUNEIFORM SIGN NIN
12390	𐏹	CUNEIFORM SIGN NIN9
12391	𐏺	CUNEIFORM SIGN NINDA2 TIMES BAL
12392	𐏻	CUNEIFORM SIGN NINDA2 TIMES GI
12393	𐏼	CUNEIFORM SIGN NU11 ROTATED NINETY DEGREES
12394	𐏽	CUNEIFORM SIGN PESH2 ASTERISK
12395	𐏾	CUNEIFORM SIGN PIR2
12396	𐏿	CUNEIFORM SIGN SAG TIMES IGI GUNU
12397	𐐀	CUNEIFORM SIGN TI2
12398	𐐁	CUNEIFORM SIGN UM TIMES ME
12399	𐐂	CUNEIFORM SIGN U U



	1240	1241	1242	1243	1244	1245	1246	1247
0	 12400	 12410	 12420	 12430	 12440	 12450	 12460	 12470
1	 12401	 12411	 12421	 12431	 12441	 12451	 12461	 12471
2	 12402	 12412	 12422	 12432	 12442	 12452	 12462	 12472
3	 12403	 12413	 12423	 12433	 12443	 12453	 12463	 12473
4	 12404	 12414	 12424	 12434	 12444	 12454	 12464	 12474
5	 12405	 12415	 12425	 12435	 12445	 12455	 12465	
6	 12406	 12416	 12426	 12436	 12446	 12456	 12466	
7	 12407	 12417	 12427	 12437	 12447	 12457	 12467	
8	 12408	 12418	 12428	 12438	 12448	 12458	 12468	
9	 12409	 12419	 12429	 12439	 12449	 12459	 12469	
A	 1240A	 1241A	 1242A	 1243A	 1244A	 1245A	 1246A	
B	 1240B	 1241B	 1242B	 1243B	 1244B	 1245B	 1246B	
C	 1240C	 1241C	 1242C	 1243C	 1244C	 1245C	 1246C	
D	 1240D	 1241D	 1242D	 1243D	 1244D	 1245D	 1246D	
E	 1240E	 1241E	 1242E	 1243E	 1244E	 1245E	 1246E	
F	 1240F	 1241F	 1242F	 1243F	 1244F	 1245F		

**Numeric signs**

12400	𐎠	CUNEIFORM NUMERIC SIGN TWO ASH	12432	𐎠	CUNEIFORM NUMERIC SIGN SHAR2 TIMES GAL PLUS DISH
12401	𐎡	CUNEIFORM NUMERIC SIGN THREE ASH	12433	𐎡	CUNEIFORM NUMERIC SIGN SHAR2 TIMES GAL PLUS MIN
12402	𐎢	CUNEIFORM NUMERIC SIGN FOUR ASH	12434	𐎢	CUNEIFORM NUMERIC SIGN ONE BURU
12403	𐎣	CUNEIFORM NUMERIC SIGN FIVE ASH	12435	𐎣	CUNEIFORM NUMERIC SIGN TWO BURU
12404	𐎤	CUNEIFORM NUMERIC SIGN SIX ASH	12436	𐎤	CUNEIFORM NUMERIC SIGN THREE BURU
12405	𐎥	CUNEIFORM NUMERIC SIGN SEVEN ASH	12437	𐎥	CUNEIFORM NUMERIC SIGN THREE BURU VARIANT FORM
12406	𐎦	CUNEIFORM NUMERIC SIGN EIGHT ASH	12438	𐎦	CUNEIFORM NUMERIC SIGN FOUR BURU
12407	𐎧	CUNEIFORM NUMERIC SIGN NINE ASH	12439	𐎧	CUNEIFORM NUMERIC SIGN FIVE BURU
12408	𐎨	CUNEIFORM NUMERIC SIGN THREE DISH	1243A	𐎨	CUNEIFORM NUMERIC SIGN THREE VARIANT FORM ESH16
12409	𐎩	CUNEIFORM NUMERIC SIGN FOUR DISH	1243B	𐎩	CUNEIFORM NUMERIC SIGN THREE VARIANT FORM ESH21
1240A	𐎪	CUNEIFORM NUMERIC SIGN FIVE DISH	1243C	𐎪	CUNEIFORM NUMERIC SIGN FOUR VARIANT FORM LIMMU
1240B	𐎫	CUNEIFORM NUMERIC SIGN SIX DISH	1243D	𐎫	CUNEIFORM NUMERIC SIGN FOUR VARIANT FORM LIMMU4
1240C	𐎬	CUNEIFORM NUMERIC SIGN SEVEN DISH	1243E	𐎬	CUNEIFORM NUMERIC SIGN FOUR VARIANT FORM LIMMU A
1240D	𐎭	CUNEIFORM NUMERIC SIGN EIGHT DISH	1243F	𐎭	CUNEIFORM NUMERIC SIGN FOUR VARIANT FORM LIMMU B
1240E	𐎮	CUNEIFORM NUMERIC SIGN NINE DISH	12440	𐎮	CUNEIFORM NUMERIC SIGN SIX VARIANT FORM ASH9
1240F	𐎯	CUNEIFORM NUMERIC SIGN FOUR U	12441	𐎮	CUNEIFORM NUMERIC SIGN SEVEN VARIANT FORM IMIN3
12410	𐎰	CUNEIFORM NUMERIC SIGN FIVE U	12442	𐎯	CUNEIFORM NUMERIC SIGN SEVEN VARIANT FORM IMIN A
12411	𐎱	CUNEIFORM NUMERIC SIGN SIX U	12443	𐎯	CUNEIFORM NUMERIC SIGN SEVEN VARIANT FORM IMIN B
12412	𐎲	CUNEIFORM NUMERIC SIGN SEVEN U	12444	𐎰	CUNEIFORM NUMERIC SIGN EIGHT VARIANT FORM USSU
12413	𐎳	CUNEIFORM NUMERIC SIGN EIGHT U	12445	𐎰	CUNEIFORM NUMERIC SIGN EIGHT VARIANT FORM USSU3
12414	𐎴	CUNEIFORM NUMERIC SIGN NINE U	12446	𐎱	CUNEIFORM NUMERIC SIGN NINE VARIANT FORM ILIMMU
12415	𐎵	CUNEIFORM NUMERIC SIGN ONE GESH2	12447	𐎱	CUNEIFORM NUMERIC SIGN NINE VARIANT FORM ILIMMU3
12416	𐎶	CUNEIFORM NUMERIC SIGN TWO GESH2	12448	𐎲	CUNEIFORM NUMERIC SIGN NINE VARIANT FORM ILIMMU4
12417	𐎷	CUNEIFORM NUMERIC SIGN THREE GESH2	12449	𐎲	CUNEIFORM NUMERIC SIGN NINE VARIANT FORM ILIMMU A
12418	𐎸	CUNEIFORM NUMERIC SIGN FOUR GESH2	1244A	𐎳	CUNEIFORM NUMERIC SIGN TWO ASH TENU
12419	𐎹	CUNEIFORM NUMERIC SIGN FIVE GESH2	1244B	𐎳	CUNEIFORM NUMERIC SIGN THREE ASH TENU
1241A	𐎺	CUNEIFORM NUMERIC SIGN SIX GESH2	1244C	𐎳	CUNEIFORM NUMERIC SIGN FOUR ASH TENU
1241B	𐎻	CUNEIFORM NUMERIC SIGN SEVEN GESH2	1244D	𐎴	CUNEIFORM NUMERIC SIGN FIVE ASH TENU
1241C	𐎼	CUNEIFORM NUMERIC SIGN EIGHT GESH2	1244E	𐎴	CUNEIFORM NUMERIC SIGN SIX ASH TENU
1241D	𐎽	CUNEIFORM NUMERIC SIGN NINE GESH2	1244F	𐎵	CUNEIFORM NUMERIC SIGN ONE BAN2
1241E	𐎾	CUNEIFORM NUMERIC SIGN ONE GESHU	12450	𐎵	CUNEIFORM NUMERIC SIGN TWO BAN2
1241F	𐎿	CUNEIFORM NUMERIC SIGN TWO GESHU	12451	𐎵	CUNEIFORM NUMERIC SIGN THREE BAN2
12420	𐏀	CUNEIFORM NUMERIC SIGN THREE GESHU	12452	𐎵	CUNEIFORM NUMERIC SIGN FOUR BAN2
12421	𐏁	CUNEIFORM NUMERIC SIGN FOUR GESHU	12453	𐎵	CUNEIFORM NUMERIC SIGN FOUR BAN2 VARIANT FORM
12422	𐏂	CUNEIFORM NUMERIC SIGN FIVE GESHU	12454	𐎵	CUNEIFORM NUMERIC SIGN FIVE BAN2
12423	𐏃	CUNEIFORM NUMERIC SIGN TWO SHAR2	12455	𐎵	CUNEIFORM NUMERIC SIGN FIVE BAN2 VARIANT FORM
12424	𐏄	CUNEIFORM NUMERIC SIGN THREE SHAR2	12456	𐎶	CUNEIFORM NUMERIC SIGN NIGIDAMIN
12425	𐏅	CUNEIFORM NUMERIC SIGN THREE SHAR2 VARIANT FORM	12457	𐎶	CUNEIFORM NUMERIC SIGN NIGIDAESH
12426	𐏆	CUNEIFORM NUMERIC SIGN FOUR SHAR2	12458	𐎷	CUNEIFORM NUMERIC SIGN ONE ESHE3
12427	𐏇	CUNEIFORM NUMERIC SIGN FIVE SHAR2			
12428	𐏈	CUNEIFORM NUMERIC SIGN SIX SHAR2			
12429	𐏉	CUNEIFORM NUMERIC SIGN SEVEN SHAR2			
1242A	𐏊	CUNEIFORM NUMERIC SIGN EIGHT SHAR2			
1242B	𐏋	CUNEIFORM NUMERIC SIGN NINE SHAR2			
1242C	𐏌	CUNEIFORM NUMERIC SIGN ONE SHARU			
1242D	𐏍	CUNEIFORM NUMERIC SIGN TWO SHARU			
1242E	𐏎	CUNEIFORM NUMERIC SIGN THREE SHARU			
1242F	𐏏	CUNEIFORM NUMERIC SIGN THREE SHARU VARIANT FORM			
12430	𐏐	CUNEIFORM NUMERIC SIGN FOUR SHARU			
12431	𐏑	CUNEIFORM NUMERIC SIGN FIVE SHARU			

12459 𐎠 CUNEIFORM NUMERIC SIGN TWO ESHE3

### Fractions

- 1245A 𐎡 CUNEIFORM NUMERIC SIGN ONE THIRD  
DISH
- 1245B 𐎢 CUNEIFORM NUMERIC SIGN TWO THIRDS  
DISH
- 1245C 𐎣 CUNEIFORM NUMERIC SIGN FIVE SIXTHS  
DISH
- 1245D 𐎤 CUNEIFORM NUMERIC SIGN ONE THIRD  
VARIANT FORM A
- 1245E 𐎥 CUNEIFORM NUMERIC SIGN TWO THIRDS  
VARIANT FORM A
- 1245F 𐎦 CUNEIFORM NUMERIC SIGN ONE EIGHTH  
ASH
- 12460 𐎨 CUNEIFORM NUMERIC SIGN ONE  
QUARTER ASH
- 12461 𐎩 CUNEIFORM NUMERIC SIGN OLD  
ASSYRIAN ONE SIXTH
- 12462 𐎪 CUNEIFORM NUMERIC SIGN OLD  
ASSYRIAN ONE QUARTER
- 12463 𐎫 CUNEIFORM NUMERIC SIGN ONE  
QUARTER GUR
- 12464 𐎬 CUNEIFORM NUMERIC SIGN ONE HALF  
GUR

### Numeric signs

- 12465 𐎭 CUNEIFORM NUMERIC SIGN ELAMITE  
ONE THIRD
- 12466 𐎮 CUNEIFORM NUMERIC SIGN ELAMITE  
TWO THIRDS
- 12467 𐎯 CUNEIFORM NUMERIC SIGN ELAMITE  
FORTY
- 12468 𐎰 CUNEIFORM NUMERIC SIGN ELAMITE  
FIFTY
- 12469 𐎱 CUNEIFORM NUMERIC SIGN FOUR U  
VARIANT FORM
- 1246A 𐎲 CUNEIFORM NUMERIC SIGN FIVE U  
VARIANT FORM
- 1246B 𐎳 CUNEIFORM NUMERIC SIGN SIX U  
VARIANT FORM
- 1246C 𐎴 CUNEIFORM NUMERIC SIGN SEVEN U  
VARIANT FORM
- 1246D 𐎵 CUNEIFORM NUMERIC SIGN EIGHT U  
VARIANT FORM
- 1246E 𐎶 CUNEIFORM NUMERIC SIGN NINE U  
VARIANT FORM

### Punctuation

- 12470 𐎷 CUNEIFORM PUNCTUATION SIGN OLD  
ASSYRIAN WORD DIVIDER  
→ 1039F 𐎷 ugaritic word divider  
→ 103D0 𐎷 old persian word divider
- 12471 𐎸 CUNEIFORM PUNCTUATION SIGN  
VERTICAL COLON
- 12472 𐎹 CUNEIFORM PUNCTUATION SIGN  
DIAGONAL COLON
- 12473 𐎺 CUNEIFORM PUNCTUATION SIGN  
DIAGONAL TRICOLON
- 12474 𐎻 CUNEIFORM PUNCTUATION SIGN  
DIAGONAL QUADCOLON

## **A. Administrative**

1. Title

**Proposal for additions and corrections to Sumero-Akkadian Cuneiform**

2. Requester's name

**UC Berkeley Script Encoding Initiative (Universal Scripts Project)**

3. Requester type (Member body/Liaison/Individual contribution)

**Liaison contribution.**

4. Submission date

**2012-07-31**

5. Requester's reference (if applicable)

6. Choose one of the following:

6a. This is a complete proposal

**No.**

6b. More information will be provided later

**Yes.**

## **B. Technical – General**

1. Choose one of the following:

1a. This proposal is for a new script (set of characters)

**No.**

1b. Proposed name of script

1c. The proposal is for addition of character(s) to an existing block

**Yes**

1d. Name of the existing block

**Cuneiform, Cuneiform Numbers and Punctuation**

2. Number of characters in proposal

**56 (43, 13).**

3. Proposed category (A-Contemporary; B.1-Specialized (small collection); B.2-Specialized (large collection); C-Major extinct; D-Attested extinct; E-Minor extinct; F-Archaic Hieroglyphic or Ideographic; G-Obscure or questionable usage symbols)

**Category F.**

4a. Is a repertoire including character names provided?

**Yes.**

4b. If YES, are the names in accordance with the "character naming guidelines" in Annex L of P&P document?

**Yes.**

4c. Are the character shapes attached in a legible form suitable for review?

**Yes.**

5a. Who will provide the appropriate computerized font (ordered preference: True Type, or PostScript format) for publishing the standard?

**Michael Everson.**

5b. If available now, identify source(s) for the font (include address, e-mail, ftp-site, etc.) and indicate the tools used:

**Michael Everson, Fontographer.**

6a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?

**Yes.**

6b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached?

**No.**

7. Does the proposal address other aspects of character data processing (if applicable) such as input, presentation, sorting, searching, indexing, transliteration etc. (if yes please enclose information)?

**Yes.**

8. Submitters are invited to provide any additional information about Properties of the proposed Character(s) or Script that will assist in correct understanding of and correct linguistic processing of the proposed character(s) or script. Examples of such properties are: Casing information, Numeric information, Currency information, Display behaviour information such as line breaks, widths etc., Combining behaviour, Spacing behaviour, Directional behaviour, Default Collation behaviour, relevance in Mark Up contexts, Compatibility equivalence and other Unicode normalization related information. See the Unicode standard at <http://www.unicode.org> for such information on other scripts. Also see Unicode Character Database <http://www.unicode.org/Public/UNIDATA/UnicodeCharacterDatabase.html> and associated Unicode Technical Reports for information needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard.

**See above.**

## **C. Technical – Justification**

1. Has this proposal for addition of character(s) been submitted before? If YES, explain.

**No.**

2a. Has contact been made to members of the user community (for example: National Body, user groups of the script or characters, other experts, etc.)?

**Yes.**

2b. If YES, with whom?

**Steve Tinney (co-author).**

2c. If YES, available relevant documents

3. Information on the user community for the proposed characters (for example: size, demographics, information technology use, or publishing use) is included?

**Sumerologists.**

4a. The context of use for the proposed characters (type of use; common or rare)

**Used historically and in modern editions.**

4b. Reference

5a. Are the proposed characters in current use by the user community?

**Yes.**

5b. If YES, where?

**Scholarly publications.**

6a. After giving due considerations to the principles in the P&P document must the proposed characters be entirely in the BMP?

**No.**

6b. If YES, is a rationale provided?

6c. If YES, reference

7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)?

**No.**

8a. Can any of the proposed characters be considered a presentation form of an existing character or character sequence?

**No.**

8b. If YES, is a rationale for its inclusion provided?

8c. If YES, reference

9a. Can any of the proposed characters be encoded using a composed character sequence of either existing characters or other proposed characters?

**No.**

9b. If YES, is a rationale for its inclusion provided?

9c. If YES, reference

10a. Can any of the proposed character(s) be considered to be similar (in appearance or function) to an existing character?

**No.**

10b. If YES, is a rationale for its inclusion provided?

10c. If YES, reference

11a. Does the proposal include use of combining characters and/or use of composite sequences (see clauses 4.12 and 4.14 in ISO/IEC 10646-1: 2000)?

**No.**

11b. If YES, is a rationale for such use provided?

11c. If YES, reference

11d. Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided?

**No.**

11e. If YES, reference

12a. Does the proposal contain characters with any special properties such as control function or similar semantics?

**No.**

12b. If YES, describe in detail (include attachment if necessary)

13a. Does the proposal contain any Ideographic compatibility character(s)?

**No.**

13b. If YES, is the equivalent corresponding unified ideographic character(s) identified?