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Title

Proposal for Early Dynastic Cuneiform

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





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1. Introduction. For an overview of cuneiform writing diachronically, see the previous Sumero-Akkadian Unicode proposal, N2786 (L2/04-189).

During the Early Dynastic (2900–2335 BCE) period of cuneiform writing, the writing system evidences a higher degree of rebus principles from its more pictographic nature in the archaic period. Presumably also during this time, the script orientation was shifted ninety degrees, mainly due to the types of tablets and scribal writing practices. Moreover, the repertoire of signs diminished from its greatest extent in the archaic period of some 1200 signs to perhaps 800 different signs. The writing of this period is attested primarily from two sites, Fāra and Tell Abū-Şalābīkh, both in the southern part of modern Iraq. The texts from this period include administrative, legal, lexical, and literary texts. The literary texts provide the first-known evidence of connected discourse in the region, since archaic Sumerian was largely notational. However, understanding of the texts from this period remains obscure due largely to the non-linear ordering of signs (robbing the scholar of contextual clues), minimal morphological marking, and the lack of translation into a better-known language, such as in later periods of cuneiform. The lexical texts, which comprise lists of both signs and words, are largely responsible for the proliferation of signs in this proposal. Many signs found in these lists do not appear in other contexts. The lists of signs, for example, served as an exercise in writing various complex signs; thus, these signs appear exclusively in that text.

2. Character set. The proposed glyphs have been compiled primarily from the modern Assyriological sign list of the Early Dynastic period, *Liste der archaischen Keilschriftzeichen aus Fara* (henceforth *LAK*), in conjunction with the Oracc Global Sign List (www.oracc.org/ogsl). Every sign in *LAK* was carefully considered and collated by available photographs (provided by the Cuneiform Digital Library Initiative www.cdli.ucla.edu) and hand copies. If the sign was determined to have been incorporated in the original Sumero-Akkadian Unicode proposal, N2786, it was not included in this proposal. Also not included are glyphs given in *LAK* which do not derive from the Early Dynastic period, but rather only from later periods such as Ur III or Old Babylonian. Moreover, numerals have been omitted due to the complexity of numeral signs from this period. An expert in the metrology of this period must be consulted before these can be properly included. Decisions regarding the understanding of the proposed glyphs have been made on an individual basis, incorporating the most recent published discussions of signs from this period, including the major scholarly reappraisal (Manfred Krebernik, *Orbis Biblicus et Orientalis* vol. 160/1) and assertions made of individual glyphs within scholarly publications (e.g. Miguel Civil, *Archivi Reali*

di Ebla Studi vol 4). Additionally, glyphs discovered in two publications since *LAK*, Robert D. Biggs *Oriental Institute Publications* vol. 99 and Miguel Civil *Cornell University Studies in Assyriology and Sumerology* vol. 12, have been incorporated.

The conventions in the earlier cuneiform proposal regarding mergers and splits (§3.3) are followed here. Where there is ambiguity or too much scholarly dissension regarding the relationship of two or more signs, both signs are included. This principle of maximal differentiation is notable for two sign groups: for CUNEIFORM SIGN LAK-617, for CUNEIFORM SIGN LAK-648, and for the complex signs which use these as their primary respectively. It was determined that it was necessary to differentiate the sign LAK-617  from EZEN (U+120A1  and its derivatives). Similarly, the sign LAK-648  has been differentiated from URU (U+12337  and its derivatives).

The order provided here is alphabetical, following the convention in the earlier cuneiform proposal (§3.9). Where the transliteration is unknown, the sign has been given a name based on its number in *LAK*, the convention followed in Assyriological works.

3. Unicode Character Properties. Character properties are proposed here.

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12480;CUNEIFORM SIGN AB TIMES NUN TENU;Lo;0;L;;;;N;;;;;
12481;CUNEIFORM SIGN AB TIMES SHU2;Lo;0;L;;;;N;;;;;
12482;CUNEIFORM SIGN AD TIMES ESH2;Lo;0;L;;;;N;;;;;
12483;CUNEIFORM SIGN BAD TIMES DISH TENU;Lo;0;L;;;;N;;;;;
12484;CUNEIFORM SIGN BAHAR2 TIMES AB2;Lo;0;L;;;;N;;;;;
12485;CUNEIFORM SIGN BAHAR2 TIMES NI;Lo;0;L;;;;N;;;;;
12486;CUNEIFORM SIGN BAHAR2 TIMES ZA;Lo;0;L;;;;N;;;;;
12487;CUNEIFORM SIGN BU OVER BU TIMES NA2;Lo;0;L;;;;N;;;;;
12488;CUNEIFORM SIGN DA TIMES TAK4;Lo;0;L;;;;N;;;;;
12489;CUNEIFORM SIGN DAG TIMES KUR;Lo;0;L;;;;N;;;;;
1248A;CUNEIFORM SIGN DIM TIMES IGI;Lo;0;L;;;;N;;;;;
1248B;CUNEIFORM SIGN DIM TIMES U U U;Lo;0;L;;;;N;;;;;
1248C;CUNEIFORM SIGN DIM2 TIMES UD;Lo;0;L;;;;N;;;;;
1248D;CUNEIFORM SIGN DUG TIMES ANSHE;Lo;0;L;;;;N;;;;;
1248E;CUNEIFORM SIGN DUG TIMES ASH;Lo;0;L;;;;N;;;;;
1248F;CUNEIFORM SIGN DUG TIMES ASH AT LEFT;Lo;0;L;;;;N;;;;;
12490;CUNEIFORM SIGN DUG TIMES DIN;Lo;0;L;;;;N;;;;;
12491;CUNEIFORM SIGN DUG TIMES DUN;Lo;0;L;;;;N;;;;;
12492;CUNEIFORM SIGN DUG TIMES ERIN2;Lo;0;L;;;;N;;;;;
12493;CUNEIFORM SIGN DUG TIMES GA;Lo;0;L;;;;N;;;;;
12494;CUNEIFORM SIGN DUG TIMES GI;Lo;0;L;;;;N;;;;;
12495;CUNEIFORM SIGN DUG TIMES GIR2 GUNU;Lo;0;L;;;;N;;;;;
12496;CUNEIFORM SIGN DUG TIMES GISH;Lo;0;L;;;;N;;;;;
12497;CUNEIFORM SIGN DUG TIMES HA;Lo;0;L;;;;N;;;;;
12498;CUNEIFORM SIGN DUG TIMES HI;Lo;0;L;;;;N;;;;;
12499;CUNEIFORM SIGN DUG TIMES IGI GUNU;Lo;0;L;;;;N;;;;;
1249A;CUNEIFORM SIGN DUG TIMES KASKAL;Lo;0;L;;;;N;;;;;
1249B;CUNEIFORM SIGN DUG TIMES KUR;Lo;0;L;;;;N;;;;;
1249C;CUNEIFORM SIGN DUG TIMES KUSHU2;Lo;0;L;;;;N;;;;;
1249D;CUNEIFORM SIGN DUG TIMES KUSHU2 PLUS KASKAL;Lo;0;L;;;;N;;;;;
1249E;CUNEIFORM SIGN DUG TIMES LAK-020;Lo;0;L;;;;N;;;;;
1249F;CUNEIFORM SIGN DUG TIMES LAM;Lo;0;L;;;;N;;;;;
124A0;CUNEIFORM SIGN DUG TIMES LAM TIMES KUR;Lo;0;L;;;;N;;;;;
124A1;CUNEIFORM SIGN DUG TIMES LUH PLUS GISH;Lo;0;L;;;;N;;;;;
124A2;CUNEIFORM SIGN DUG TIMES MASH;Lo;0;L;;;;N;;;;;
124A3;CUNEIFORM SIGN DUG TIMES MES;Lo;0;L;;;;N;;;;;
124A4;CUNEIFORM SIGN DUG TIMES MI;Lo;0;L;;;;N;;;;;
124A5;CUNEIFORM SIGN DUG TIMES NI;Lo;0;L;;;;N;;;;;
124A6;CUNEIFORM SIGN DUG TIMES PI;Lo;0;L;;;;N;;;;;
124A7;CUNEIFORM SIGN DUG TIMES SHE;Lo;0;L;;;;N;;;;;
124A8;CUNEIFORM SIGN DUG TIMES SI GUNU;Lo;0;L;;;;N;;;;;
124A9;CUNEIFORM SIGN E2 TIMES KUR;Lo;0;L;;;;N;;;;;
124AA;CUNEIFORM SIGN E2 TIMES PAP;Lo;0;L;;;;N;;;;;
124AB;CUNEIFORM SIGN ERIN2 X;Lo;0;L;;;;N;;;;;
124AC;CUNEIFORM SIGN ESH2 CROSSING ESH2;Lo;0;L;;;;N;;;;;
124AD;CUNEIFORM SIGN EZEN SHESHIG TIMES ASH;Lo;0;L;;;;N;;;;;
124AE;CUNEIFORM SIGN EZEN SHESHIG TIMES HI;Lo;0;L;;;;N;;;;;
124AF;CUNEIFORM SIGN EZEN SHESHIG TIMES IGI GUNU;Lo;0;L;;;;N;;;;;
124B0;CUNEIFORM SIGN EZEN SHESHIG TIMES LA;Lo;0;L;;;;N;;;;;
124B1;CUNEIFORM SIGN EZEN SHESHIG TIMES LAL;Lo;0;L;;;;N;;;;;
124B2;CUNEIFORM SIGN EZEN SHESHIG TIMES ME;Lo;0;L;;;;N;;;;;
124B3;CUNEIFORM SIGN EZEN SHESHIG TIMES MES;Lo;0;L;;;;N;;;;;
124B4;CUNEIFORM SIGN EZEN SHESHIG TIMES SU;Lo;0;L;;;;N;;;;;

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124B5;CUNEIFORM SIGN EZEN TIMES SU;Lo;0;L;;;;N;;;;;
124B6;CUNEIFORM SIGN GA2 TIMES BAHAR2;Lo;0;L;;;;N;;;;;
124B7;CUNEIFORM SIGN GA2 TIMES DIM GUNU;Lo;0;L;;;;N;;;;;
124B8;CUNEIFORM SIGN GA2 TIMES DUG TIMES IGI GUNU;Lo;0;L;;;;N;;;;;
124B9;CUNEIFORM SIGN GA2 TIMES DUG TIMES KASKAL;Lo;0;L;;;;N;;;;;
124BA;CUNEIFORM SIGN GA2 TIMES EREN;Lo;0;L;;;;N;;;;;
124BB;CUNEIFORM SIGN GA2 TIMES GA;Lo;0;L;;;;N;;;;;
124BC;CUNEIFORM SIGN GA2 TIMES GAR PLUS DI;Lo;0;L;;;;N;;;;;
124BD;CUNEIFORM SIGN GA2 TIMES GAR PLUS NE;Lo;0;L;;;;N;;;;;
124BE;CUNEIFORM SIGN GA2 TIMES HA PLUS A;Lo;0;L;;;;N;;;;;
124BF;CUNEIFORM SIGN GA2 TIMES KUSHU2 PLUS KASKAL;Lo;0;L;;;;N;;;;;
124C0;CUNEIFORM SIGN GA2 TIMES LAM;Lo;0;L;;;;N;;;;;
124C1;CUNEIFORM SIGN GA2 TIMES LAM TIMES KUR;Lo;0;L;;;;N;;;;;
124C2;CUNEIFORM SIGN GA2 TIMES LUH;Lo;0;L;;;;N;;;;;
124C3;CUNEIFORM SIGN GA2 TIMES MUSH;Lo;0;L;;;;N;;;;;
124C4;CUNEIFORM SIGN GA2 TIMES NE;Lo;0;L;;;;N;;;;;
124C5;CUNEIFORM SIGN GA2 TIMES NE PLUS E2;Lo;0;L;;;;N;;;;;
124C6;CUNEIFORM SIGN GA2 TIMES NE PLUS GI;Lo;0;L;;;;N;;;;;
124C7;CUNEIFORM SIGN GA2 TIMES SHIM;Lo;0;L;;;;N;;;;;
124C8;CUNEIFORM SIGN GA2 TIMES ZIZ2;Lo;0;L;;;;N;;;;;
124C9;CUNEIFORM SIGN GABA ROTATED NINETY DEGREES;Lo;0;L;;;;N;;;;;
124CA;CUNEIFORM SIGN GESHTIN TIMES U;Lo;0;L;;;;N;;;;;
124CB;CUNEIFORM SIGN GISH TIMES GISH CROSSING GISH;Lo;0;L;;;;N;;;;;
124CC;CUNEIFORM SIGN GU2 TIMES IGI GUNU;Lo;0;L;;;;N;;;;;
124CD;CUNEIFORM SIGN GUD PLUS GISH TIMES TAK4;Lo;0;L;;;;N;;;;;
124CE;CUNEIFORM SIGN HA TENU GUNU;Lo;0;L;;;;N;;;;;
124CF;CUNEIFORM SIGN HI TIMES ASH OVER HI TIMES ASH;Lo;0;L;;;;N;;;;;
124D0;CUNEIFORM SIGN KA TIMES BU;Lo;0;L;;;;N;;;;;
124D1;CUNEIFORM SIGN KA TIMES KA;Lo;0;L;;;;N;;;;;
124D2;CUNEIFORM SIGN KA TIMES U;Lo;0;L;;;;N;;;;;
124D3;CUNEIFORM SIGN KA TIMES U U;Lo;0;L;;;;N;;;;;
124D4;CUNEIFORM SIGN KA TIMES UR;Lo;0;L;;;;N;;;;;
124D5;CUNEIFORM SIGN LAGAB TIMES ZU OVER ZU;Lo;0;L;;;;N;;;;;
124D6;CUNEIFORM SIGN LAK-003;Lo;0;L;;;;N;;;;;
124D7;CUNEIFORM SIGN LAK-021;Lo;0;L;;;;N;;;;;
124D8;CUNEIFORM SIGN LAK-025;Lo;0;L;;;;N;;;;;
124D9;CUNEIFORM SIGN LAK-030;Lo;0;L;;;;N;;;;;
124DA;CUNEIFORM SIGN LAK-050;Lo;0;L;;;;N;;;;;
124DB;CUNEIFORM SIGN LAK-051;Lo;0;L;;;;N;;;;;
124DC;CUNEIFORM SIGN LAK-062;Lo;0;L;;;;N;;;;;
124DD;CUNEIFORM SIGN LAK-079 OVER LAK-079 GUNU;Lo;0;L;;;;N;;;;;
124DE;CUNEIFORM SIGN LAK-080;Lo;0;L;;;;N;;;;;
124DF;CUNEIFORM SIGN LAK-081 OVER LAK-081;Lo;0;L;;;;N;;;;;
124E0;CUNEIFORM SIGN LAK-092;Lo;0;L;;;;N;;;;;
124E1;CUNEIFORM SIGN LAK-130;Lo;0;L;;;;N;;;;;
124E2;CUNEIFORM SIGN LAK-142;Lo;0;L;;;;N;;;;;
124E3;CUNEIFORM SIGN LAK-210;Lo;0;L;;;;N;;;;;
124E4;CUNEIFORM SIGN LAK-219;Lo;0;L;;;;N;;;;;
124E5;CUNEIFORM SIGN LAK-220;Lo;0;L;;;;N;;;;;
124E6;CUNEIFORM SIGN LAK-225;Lo;0;L;;;;N;;;;;
124E7;CUNEIFORM SIGN LAK-228;Lo;0;L;;;;N;;;;;
124E8;CUNEIFORM SIGN LAK-238;Lo;0;L;;;;N;;;;;
124E9;CUNEIFORM SIGN LAK-265;Lo;0;L;;;;N;;;;;
124EA;CUNEIFORM SIGN LAK-266;Lo;0;L;;;;N;;;;;
124EB;CUNEIFORM SIGN LAK-343;Lo;0;L;;;;N;;;;;
124EC;CUNEIFORM SIGN LAK-347;Lo;0;L;;;;N;;;;;
124ED;CUNEIFORM SIGN LAK-348;Lo;0;L;;;;N;;;;;
124EE;CUNEIFORM SIGN LAK-383;Lo;0;L;;;;N;;;;;
124EF;CUNEIFORM SIGN LAK-384;Lo;0;L;;;;N;;;;;
124F0;CUNEIFORM SIGN LAK-390;Lo;0;L;;;;N;;;;;
124F1;CUNEIFORM SIGN LAK-441;Lo;0;L;;;;N;;;;;
124F2;CUNEIFORM SIGN LAK-449;Lo;0;L;;;;N;;;;;
124F3;CUNEIFORM SIGN LAK-449 TIMES GU;Lo;0;L;;;;N;;;;;
124F4;CUNEIFORM SIGN LAK-449 TIMES IGI;Lo;0;L;;;;N;;;;;
124F5;CUNEIFORM SIGN LAK-449 TIMES PAP PLUS LU3;Lo;0;L;;;;N;;;;;
124F6;CUNEIFORM SIGN LAK-449 TIMES PAP PLUS PAP PLUS LU3;Lo;0;L;;;;N;;;;;
124F7;CUNEIFORM SIGN LAK-449 TIMES U2 PLUS BA;Lo;0;L;;;;N;;;;;
124F8;CUNEIFORM SIGN LAK-450;Lo;0;L;;;;N;;;;;
124F9;CUNEIFORM SIGN LAK-457;Lo;0;L;;;;N;;;;;
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124FC;CUNEIFORM SIGN LAK-490;Lo;0;L;;;;N;;;;;
124FD;CUNEIFORM SIGN LAK-492;Lo;0;L;;;;N;;;;;
124FE;CUNEIFORM SIGN LAK-493;Lo;0;L;;;;N;;;;;
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12507;CUNEIFORM SIGN LAK-617 TIMES DUN3 GUNU GUNU;Lo;0;L;;;;;N;;;;;
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1250C;CUNEIFORM SIGN LAK-617 TIMES URUDA;Lo;0;L;;;;;N;;;;;
1250D;CUNEIFORM SIGN LAK-636;Lo;0;L;;;;;N;;;;;
1250E;CUNEIFORM SIGN LAK-648;Lo;0;L;;;;;N;;;;;
1250F;CUNEIFORM SIGN LAK-648 TIMES DUB;Lo;0;L;;;;;N;;;;;
12510;CUNEIFORM SIGN LAK-648 TIMES GA;Lo;0;L;;;;;N;;;;;
12511;CUNEIFORM SIGN LAK-648 TIMES IGI;Lo;0;L;;;;;N;;;;;
12512;CUNEIFORM SIGN LAK-648 TIMES IGI GUNU;Lo;0;L;;;;;N;;;;;
12513;CUNEIFORM SIGN LAK-648 TIMES NI;Lo;0;L;;;;;N;;;;;
12514;CUNEIFORM SIGN LAK-648 TIMES PAP PLUS PAP PLUS LU3;Lo;0;L;;;;;N;;;;;
12515;CUNEIFORM SIGN LAK-648 TIMES SHESH PLUS KI;Lo;0;L;;;;;N;;;;;
12516;CUNEIFORM SIGN LAK-648 TIMES UD;Lo;0;L;;;;;N;;;;;
12517;CUNEIFORM SIGN LAK-648 TIMES URUDA;Lo;0;L;;;;;N;;;;;
12518;CUNEIFORM SIGN LAK-724;Lo;0;L;;;;;N;;;;;
12519;CUNEIFORM SIGN LAK-749;Lo;0;L;;;;;N;;;;;
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12522;CUNEIFORM SIGN MUSH OVER MUSH TIMES KAK;Lo;0;L;;;;;N;;;;;
12523;CUNEIFORM SIGN NINDA2 TIMES DIM GUNU;Lo;0;L;;;;;N;;;;;
12524;CUNEIFORM SIGN NINDA2 TIMES GISH;Lo;0;L;;;;;N;;;;;
12525;CUNEIFORM SIGN NINDA2 TIMES GUL;Lo;0;L;;;;;N;;;;;
12526;CUNEIFORM SIGN NINDA2 TIMES HI;Lo;0;L;;;;;N;;;;;
12527;CUNEIFORM SIGN NINDA2 TIMES KESH2;Lo;0;L;;;;;N;;;;;
12528;CUNEIFORM SIGN NINDA2 TIMES LAK-050;Lo;0;L;;;;;N;;;;;
12529;CUNEIFORM SIGN NINDA2 TIMES MASH;Lo;0;L;;;;;N;;;;;
1252A;CUNEIFORM SIGN NINDA2 TIMES PAP PLUS PAP;Lo;0;L;;;;;N;;;;;
1252B;CUNEIFORM SIGN NINDA2 TIMES U;Lo;0;L;;;;;N;;;;;
1252C;CUNEIFORM SIGN NINDA2 TIMES U PLUS U;Lo;0;L;;;;;N;;;;;
1252D;CUNEIFORM SIGN NINDA2 TIMES URUDA;Lo;0;L;;;;;N;;;;;
1252E;CUNEIFORM SIGN SAG GUNU TIMES HA;Lo;0;L;;;;;N;;;;;
1252F;CUNEIFORM SIGN SAG TIMES EN;Lo;0;L;;;;;N;;;;;
12530;CUNEIFORM SIGN SAG TIMES SHE AT LEFT;Lo;0;L;;;;;N;;;;;
12531;CUNEIFORM SIGN SAG TIMES TAK4;Lo;0;L;;;;;N;;;;;
12532;CUNEIFORM SIGN SAG9 TENU;Lo;0;L;;;;;N;;;;;
12533;CUNEIFORM SIGN SHE OVER SHE;Lo;0;L;;;;;N;;;;;
12534;CUNEIFORM SIGN SHE PLUS HUB2;Lo;0;L;;;;;N;;;;;
12535;CUNEIFORM SIGN SHE PLUS NAM2;Lo;0;L;;;;;N;;;;;
12536;CUNEIFORM SIGN SHE PLUS SAR;Lo;0;L;;;;;N;;;;;
12537;CUNEIFORM SIGN SHU2 PLUS DUG TIMES NI;Lo;0;L;;;;;N;;;;;
12538;CUNEIFORM SIGN SHU2 PLUS E2 TIMES AN;Lo;0;L;;;;;N;;;;;
12539;CUNEIFORM SIGN SI TIMES TAK4;Lo;0;L;;;;;N;;;;;
1253A;CUNEIFORM SIGN TAK4 PLUS SAG;Lo;0;L;;;;;N;;;;;
1253B;CUNEIFORM SIGN TUM TIMES GAN2 TENU;Lo;0;L;;;;;N;;;;;
1253C;CUNEIFORM SIGN TUM TIMES THREE TIMES DISH;Lo;0;L;;;;;N;;;;;
1253D;CUNEIFORM SIGN UR2 INVERTED;Lo;0;L;;;;;N;;;;;
1253E;CUNEIFORM SIGN UR2 TIMES UD;Lo;0;L;;;;;N;;;;;
1253F;CUNEIFORM SIGN URU TIMES DARA3;Lo;0;L;;;;;N;;;;;
12540;CUNEIFORM SIGN URU TIMES LAK-668;Lo;0;L;;;;;N;;;;;
12541;CUNEIFORM SIGN URU TIMES LU3;Lo;0;L;;;;;N;;;;;
12542;CUNEIFORM SIGN ZA7;Lo;0;L;;;;;N;;;;;
12543;CUNEIFORM SIGN ZU OVER ZU PLUS SAR;Lo;0;L;;;;;N;;;;;
12544;CUNEIFORM SIGN ZU5 TIMES THREE DISH TENU;Lo;0;L;;;;;N;;;;;

4. Bibliography.









































































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	1248	1249	124A	124B	124C	124D	124E	124F	1250	1251	1252	1253	1254
0	12480	12490	124A0	124B0	124C0	124D0	124E0	124F0	12500	12510	12520	12530	12540
1	12481	12491	124A1	124B1	124C1	124D1	124E1	124F1	12501	12511	12521	12531	12541
2	12482	12492	124A2	124B2	124C2	124D2	124E2	124F2	12502	12512	12522	12532	12542
3	12483	12493	124A3	124B3	124C3	124D3	124E3	124F3	12503	12513	12523	12533	12543
4	12484	12494	124A4	124B4	124C4	124D4	124E4	124F4	12504	12514	12524	12534	12544
5	12485	12495	124A5	124B5	124C5	124D5	124E5	124F5	12505	12515	12525	12535	
6	12486	12496	124A6	124B6	124C6	124D6	124E6	124F6	12506	12516	12526	12536	
7	12487	12497	124A7	124B7	124C7	124D7	124E7	124F7	12507	12517	12527	12537	
8	12488	12498	124A8	124B8	124C8	124D8	124E8	124F8	12508	12518	12528	12538	
9	12489	12499	124A9	124B9	124C9	124D9	124E9	124F9	12509	12519	12529	12539	
A	1248A	1249A	124AA	124BA	124CA	124DA	124EA	124FA	1250A	1251A	1252A	1253A	
B	1248B	1249B	124AB	124BB	124CB	124DB	124EB	124FB	1250B	1251B	1252B	1253B	
C	1248C	1249C	124AC	124BC	124CC	124DC	124EC	124FC	1250C	1251C	1252C	1253C	
D	1248D	1249D	124AD	124BD	124CD	124DD	124ED	124FD	1250D	1251D	1252D	1253D	
E	1248E	1249E	124AE	124BE	124CE	124DE	124EE	124FE	1250E	1251E	1252E	1253E	
F	1248F	1249F	124AF	124BF	124CF	124DF	124EF	124FF	1250F	1251F	1252F	1253F	

Signs

- 12480  CUNEIFORM SIGN AB TIMES NUN TENU
= lak-541
- 12481  CUNEIFORM SIGN AB TIMES SHU2
= lak-542
- 12482  CUNEIFORM SIGN AD TIMES ESH2
- 12483  CUNEIFORM SIGN BAD TIMES DISH TENU
= lak-045
- 12484  CUNEIFORM SIGN BAHAR2 TIMES AB2
= lak-743
- 12485  CUNEIFORM SIGN BAHAR2 TIMES NI
= lak-745
- 12486  CUNEIFORM SIGN BAHAR2 TIMES ZA
= lak-746
- 12487  CUNEIFORM SIGN BU OVER BU TIMES NA2
- 12488  CUNEIFORM SIGN DA TIMES TAK4
= lak-145
- 12489  CUNEIFORM SIGN DAG TIMES KUR
= lak-741
- 1248A  CUNEIFORM SIGN DIM TIMES IGI
= lak-054
- 1248B  CUNEIFORM SIGN DIM TIMES U U U
- 1248C  CUNEIFORM SIGN DIM2 TIMES UD
- 1248D  CUNEIFORM SIGN DUG TIMES ANSHE
= lak-583
- 1248E  CUNEIFORM SIGN DUG TIMES ASH
= lak-562
- 1248F  CUNEIFORM SIGN DUG TIMES ASH AT LEFT
= lak-561
- 12490  CUNEIFORM SIGN DUG TIMES DIN
= lak-585
- 12491  CUNEIFORM SIGN DUG TIMES DUN
= lak-582
- 12492  CUNEIFORM SIGN DUG TIMES ERIN2
= lak-580
- 12493  CUNEIFORM SIGN DUG TIMES GA
= lak-573
- 12494  CUNEIFORM SIGN DUG TIMES GI
= lak-571
- 12495  CUNEIFORM SIGN DUG TIMES GIR2 GUNU
= lak-569
- 12496  CUNEIFORM SIGN DUG TIMES GISH
= lak-578
- 12497  CUNEIFORM SIGN DUG TIMES HA
= lak-581
- 12498  CUNEIFORM SIGN DUG TIMES HI
= lak-584
- 12499  CUNEIFORM SIGN DUG TIMES IGI GUNU
= lak-586
- 1249A  CUNEIFORM SIGN DUG TIMES KASKAL
= lak-566
- 1249B  CUNEIFORM SIGN DUG TIMES KUR
= lak-577
- 1249C  CUNEIFORM SIGN DUG TIMES KUSHU2
- 1249D  CUNEIFORM SIGN DUG TIMES KUSHU2 PLUS
KASKAL
= lak-568
- 1249E  CUNEIFORM SIGN DUG TIMES LAK-020
= lak-564
- 1249F  CUNEIFORM SIGN DUG TIMES LAM
= lak-576
- 124A0  CUNEIFORM SIGN DUG TIMES LAM TIMES KUR
= lak-575
- 124A1  CUNEIFORM SIGN DUG TIMES LUH PLUS GISH
= lak-565
- 124A2  CUNEIFORM SIGN DUG TIMES MASH
= lak-570
- 124A3  CUNEIFORM SIGN DUG TIMES MES
= lak-579
- 124A4  CUNEIFORM SIGN DUG TIMES MI
= lak-574
- 124A5  CUNEIFORM SIGN DUG TIMES NI
= lak-588
- 124A6  CUNEIFORM SIGN DUG TIMES PI
= lak-567
- 124A7  CUNEIFORM SIGN DUG TIMES SHE
= lak-563
- 124A8  CUNEIFORM SIGN DUG TIMES SI GUNU
= lak-572
- 124A9  CUNEIFORM SIGN E2 TIMES KUR
= lak-738
- 124AA  CUNEIFORM SIGN E2 TIMES PAP
= lak-736
- 124AB  CUNEIFORM SIGN ERIN2 X
- 124AC  CUNEIFORM SIGN ESH2 CROSSING ESH2
= lak-278a
- 124AD  CUNEIFORM SIGN EZEN SHESHIG TIMES ASH
- 124AE  CUNEIFORM SIGN EZEN SHESHIG TIMES HI
- 124AF  CUNEIFORM SIGN EZEN SHESHIG TIMES IGI
GUNU
- 124B0  CUNEIFORM SIGN EZEN SHESHIG TIMES LA
- 124B1  CUNEIFORM SIGN EZEN SHESHIG TIMES LAL
- 124B2  CUNEIFORM SIGN EZEN SHESHIG TIMES ME
- 124B3  CUNEIFORM SIGN EZEN SHESHIG TIMES MES
- 124B4  CUNEIFORM SIGN EZEN SHESHIG TIMES SU
- 124B5  CUNEIFORM SIGN EZEN TIMES SU
- 124B6  CUNEIFORM SIGN GA2 TIMES BAHAR2
= lak-706
- 124B7  CUNEIFORM SIGN GA2 TIMES DIM GUNU
= lak-685
- 124B8  CUNEIFORM SIGN GA2 TIMES DUG TIMES IGI
GUNU
= lak-702
- 124B9  CUNEIFORM SIGN GA2 TIMES DUG TIMES
KASKAL
= lak-703
- 124BA  CUNEIFORM SIGN GA2 TIMES EREN
- 124BB  CUNEIFORM SIGN GA2 TIMES GA
= lak-684
- 124BC  CUNEIFORM SIGN GA2 TIMES GAR PLUS DI
= lak-687
- 124BD  CUNEIFORM SIGN GA2 TIMES GAR PLUS NE
= lak-690
- 124BE  CUNEIFORM SIGN GA2 TIMES HA PLUS A
= lak-694
- 124BF  CUNEIFORM SIGN GA2 TIMES KUSHU2 PLUS
KASKAL
= lak-700
- 124C0  CUNEIFORM SIGN GA2 TIMES LAM
= lak-705
- 124C1  CUNEIFORM SIGN GA2 TIMES LAM TIMES KUR
= lak-704
- 124C2  CUNEIFORM SIGN GA2 TIMES LUH
= lak-707
- 124C3  CUNEIFORM SIGN GA2 TIMES MUSH
= lak-696
- 124C4  CUNEIFORM SIGN GA2 TIMES NE
= lak-688
- 124C5  CUNEIFORM SIGN GA2 TIMES NE PLUS E2
= lak-692
- 124C6  CUNEIFORM SIGN GA2 TIMES NE PLUS GI
= lak-689
- 124C7  CUNEIFORM SIGN GA2 TIMES SHIM
= lak-701

124C8		CUNEIFORM SIGN GA2 TIMES ZIZ2 = lak-677	124EA		CUNEIFORM SIGN LAK-266 = lak-266
124C9		CUNEIFORM SIGN GABA ROTATED NINETY DEGREES	124EB		CUNEIFORM SIGN LAK-343 = lak-343
124CA		CUNEIFORM SIGN GESHTIN TIMES U = lak-631	124EC		CUNEIFORM SIGN LAK-347 = lak-347
124CB		CUNEIFORM SIGN GISH TIMES GISH CROSSING GISH = lak-277	124ED		CUNEIFORM SIGN LAK-348 = lak-348
124CC		CUNEIFORM SIGN GU2 TIMES IGI GUNU = lak-547	124EE		CUNEIFORM SIGN LAK-383 = lak-383
124CD		CUNEIFORM SIGN GUD PLUS GISH TIMES TAK4 = lak-590	124EF		CUNEIFORM SIGN LAK-384 = lak-384
124CE		CUNEIFORM SIGN HA TENU GUNU = lak-354	124F0		CUNEIFORM SIGN LAK-390 = lak-390
124CF		CUNEIFORM SIGN HI TIMES ASH OVER HI TIMES ASH = lak-362	124F1		CUNEIFORM SIGN LAK-441 = lak-441
124D0		CUNEIFORM SIGN KA TIMES BU	124F2		CUNEIFORM SIGN LAK-449
124D1		CUNEIFORM SIGN KA TIMES KA	124F3		CUNEIFORM SIGN LAK-449 TIMES GU = lak-455a
124D2		CUNEIFORM SIGN KA TIMES U = lak-319	124F4		CUNEIFORM SIGN LAK-449 TIMES IGI = lak-455
124D3		CUNEIFORM SIGN KA TIMES U U U = lak-328	124F5		CUNEIFORM SIGN LAK-449 TIMES PAP PLUS LU3 = lak-454
124D4		CUNEIFORM SIGN KA TIMES UR	124F6		CUNEIFORM SIGN LAK-449 TIMES PAP PLUS PAP PLUS LU3 = lak-453
124D5		CUNEIFORM SIGN LAGAB TIMES ZU OVER ZU = lak-788	124F7		CUNEIFORM SIGN LAK-449 TIMES U2 PLUS BA = lak-452
124D6		CUNEIFORM SIGN LAK-003 = lak-003	124F8		CUNEIFORM SIGN LAK-450 = lak-450
124D7		CUNEIFORM SIGN LAK-021 = lak-021	124F9		CUNEIFORM SIGN LAK-457 = lak-457
124D8		CUNEIFORM SIGN LAK-025 = lak-025	124FA		CUNEIFORM SIGN LAK-470 = lak-470
124D9		CUNEIFORM SIGN LAK-030 = lak-030	124FB		CUNEIFORM SIGN LAK-483 = lak-483
124DA		CUNEIFORM SIGN LAK-050 = lak-050	124FC		CUNEIFORM SIGN LAK-490 = lak-490
124DB		CUNEIFORM SIGN LAK-051 = lak-051	124FD		CUNEIFORM SIGN LAK-492 = lak-492
124DC		CUNEIFORM SIGN LAK-062 = lak-062	124FE		CUNEIFORM SIGN LAK-493 = lak-493
124DD		CUNEIFORM SIGN LAK-079 OVER LAK-079 GUNU = lak-079a	124FF		CUNEIFORM SIGN LAK-495 = lak-495
124DE		CUNEIFORM SIGN LAK-080 = lak-080	12500		CUNEIFORM SIGN LAK-550 = lak-550
124DF		CUNEIFORM SIGN LAK-081 OVER LAK-081 = lak-081a	12501		CUNEIFORM SIGN LAK-608 = lak-608
124E0		CUNEIFORM SIGN LAK-092 = lak-092	12502		CUNEIFORM SIGN LAK-617 = lak-618
124E1		CUNEIFORM SIGN LAK-130 = lak-130	12503		CUNEIFORM SIGN LAK-617 TIMES ASH = lak-618
124E2		CUNEIFORM SIGN LAK-142	12504		CUNEIFORM SIGN LAK-617 TIMES BAD = lak-619
124E3		CUNEIFORM SIGN LAK-210 = lak-210	12505		CUNEIFORM SIGN LAK-617 TIMES DUN3 GUNU GUNU = lak-622
124E4		CUNEIFORM SIGN LAK-219 = lak-219	12506		CUNEIFORM SIGN LAK-617 TIMES KU3 = lak-620
124E5		CUNEIFORM SIGN LAK-220 = lak-220	12507		CUNEIFORM SIGN LAK-617 TIMES LA = lak-621
124E6		CUNEIFORM SIGN LAK-225 = lak-225	12508		CUNEIFORM SIGN LAK-617 TIMES TAR = lak-626
124E7		CUNEIFORM SIGN LAK-228 = lak-228	12509		CUNEIFORM SIGN LAK-617 TIMES TE = lak-624
124E8		CUNEIFORM SIGN LAK-238 = lak-238	1250A		CUNEIFORM SIGN LAK-617 TIMES U2 = lak-625
124E9		CUNEIFORM SIGN LAK-265 = lak-265			

1250B		CUNEIFORM SIGN LAK-617 TIMES UD = lak-623	1252B		CUNEIFORM SIGN NINDA2 TIMES U = lak-102
1250C		CUNEIFORM SIGN LAK-617 TIMES URUDA = lak-627	1252C		CUNEIFORM SIGN NINDA2 TIMES U PLUS U = lak-103
1250D		CUNEIFORM SIGN LAK-636 = lak-636	1252D		CUNEIFORM SIGN NINDA2 TIMES URUDA = lak-111
1250E		CUNEIFORM SIGN LAK-648	1252E		CUNEIFORM SIGN SAG GUNU TIMES HA = lak-309
1250F		CUNEIFORM SIGN LAK-648 TIMES DUB = lak-717	1252F		CUNEIFORM SIGN SAG TIMES EN = lak-311
12510		CUNEIFORM SIGN LAK-648 TIMES GA = lak-714	12530		CUNEIFORM SIGN SAG TIMES SHE AT LEFT
12511		CUNEIFORM SIGN LAK-648 TIMES IGI = lak-650	12531		CUNEIFORM SIGN SAG TIMES TAK4
12512		CUNEIFORM SIGN LAK-648 TIMES IGI GUNU = lak-651	12532		CUNEIFORM SIGN SHA6 TENU
12513		CUNEIFORM SIGN LAK-648 TIMES NI = lak-715	12533		CUNEIFORM SIGN SHE OVER SHE = lak-200
12514		CUNEIFORM SIGN LAK-648 TIMES PAP PLUS PAP PLUS LU3 = lak-720	12534		CUNEIFORM SIGN SHE PLUS HUB2 = lak-207
12515		CUNEIFORM SIGN LAK-648 TIMES SHESH PLUS KI = lak-719	12535		CUNEIFORM SIGN SHE PLUS NAM2
12516		CUNEIFORM SIGN LAK-648 TIMES UD = lak-718	12536		CUNEIFORM SIGN SHE PLUS SAR = lak-216
12517		CUNEIFORM SIGN LAK-648 TIMES URUDA = lak-716	12537		CUNEIFORM SIGN SHU2 PLUS DUG TIMES NI = lak-396
12518		CUNEIFORM SIGN LAK-724 = lak-724	12538		CUNEIFORM SIGN SHU2 PLUS E2 TIMES AN = lak-358
12519		CUNEIFORM SIGN LAK-749 = lak-749	12539		CUNEIFORM SIGN SI TIMES TAK4 = lak-85
1251A		CUNEIFORM SIGN LU2 GUNU TIMES ASH = lak-339	1253A		CUNEIFORM SIGN TAK4 PLUS SAG = lak-310
1251B		CUNEIFORM SIGN LU2 TIMES DISH = lak-338	1253B		CUNEIFORM SIGN TUM TIMES GAN2 TENU = lak-497b
1251C		CUNEIFORM SIGN LU2 TIMES HAL = lak-340b	1253C		CUNEIFORM SIGN TUM TIMES THREE DISH = lak-497a
1251D		CUNEIFORM SIGN LU2 TIMES PAP = lak-340a	1253D		CUNEIFORM SIGN UR2 INVERTED
1251E		CUNEIFORM SIGN LU2 TIMES PAP PLUS PAP PLUS LU3 = lak-341	1253E		CUNEIFORM SIGN UR2 TIMES UD = lak-480
1251F		CUNEIFORM SIGN LU2 TIMES TAK4 = lak-342	1253F		CUNEIFORM SIGN URU TIMES DARA3 = lak-592
12520		CUNEIFORM SIGN MI PLUS ZA7 = lak-393	12540		CUNEIFORM SIGN URU TIMES LAK-668 = lak-600
12521		CUNEIFORM SIGN MUSH OVER MUSH TIMES GA	12541		CUNEIFORM SIGN URU TIMES LU3
12522		CUNEIFORM SIGN MUSH OVER MUSH TIMES KAK	12542		CUNEIFORM SIGN ZA7 = lak-798
12523		CUNEIFORM SIGN NINDA2 TIMES DIM GUNU = lak-097	12543		CUNEIFORM SIGN ZU OVER ZU PLUS SAR = lak-218
12524		CUNEIFORM SIGN NINDA2 TIMES GISH = lak-116	12544		CUNEIFORM SIGN ZU5 TIMES THREE DISH TENU = lak-118
12525		CUNEIFORM SIGN NINDA2 TIMES GUL = lak-112			
12526		CUNEIFORM SIGN NINDA2 TIMES HI = lak-114			
12527		CUNEIFORM SIGN NINDA2 TIMES KESH2 = lak-115			
12528		CUNEIFORM SIGN NINDA2 TIMES LAK-050 = lak-098			
12529		CUNEIFORM SIGN NINDA2 TIMES MASH = lak-110			
1252A		CUNEIFORM SIGN NINDA2 TIMES PAP PLUS PAP = lak-113			

A. Administrative

1. Title

Proposal for Early Dynastic 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

2012-06-13

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

Early Dynastic Cuneiform

2. Number of characters in proposal

197.

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 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.

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?