

## Slavonic Computing Initiative

### Changes to the Znamenny Encoding Model Proposed during Alpha-Review

March 7, 2021

The following changes were proposed and considered by the Script Ad-hoc Committee and will be considered by the Unicode Technical Committee.

#### 1. Renaming:

U+1CF2D will be renamed ZNAMENNY COMBINING MARK KRYZH ON LEFT

U+1CF42 will be renamed ZNAMENNY PRIZNAK MODIFIER LEVEL-2

U+1CF43 will be renamed ZNAMENNY PRIZNAK MODIFIER LEVEL-3

U+1CFBF will be renamed ZNAMENNY NEUME KUFISMA

U+1CFC0 ZNAMENNY NEUME STRELA ROZHNAYA will be removed

U+1CFC4 ZNAMENNY NEUME OBLAKO will be encoded at U+1CFC0

#### 2. Annotation:

At U+1CFBF the following Annotation will be added:

See U+ 1CF54 ⚡ for the modern shape

#### 3. Property changes:

For the Znamenny Priznak Control Characters U+1CF42 to U+1CF46, the general category should be changed from Cf (Format) to Mn (Nonspacing\_Mark). The representative glyphs will be changed as well.

Code charts and updated Unicode Properties are attached. In the attached charts, the glyphs for U+1CF00...U+1CF41 should have a dotted circle as shown in

<https://www.unicode.org/charts/PDF/Unicode-14.0/U140-1CF00.pdf>

## Unicode Properties

1CF00;ZNAMENNY COMBINING MARK GORAZDO NIZKO S KRYZHEM ON LEFT;Mn;0;NSM;;;N;;;;;  
1CF01;ZNAMENNY COMBINING MARK NIZKO S KRYZHEM ON LEFT;Mn;0;NSM;;;N;;;;;  
1CF02;ZNAMENNY COMBINING MARK TSATA ON LEFT;Mn;0;NSM;;;N;;;;;  
1CF03;ZNAMENNY COMBINING MARK GORAZDO NIZKO ON LEFT;Mn;0;NSM;;;N;;;;;  
1CF04;ZNAMENNY COMBINING MARK NIZKO ON LEFT;Mn;0;NSM;;;N;;;;;  
1CF05;ZNAMENNY COMBINING MARK SREDNE ON LEFT;Mn;0;NSM;;;N;;;;;  
1CF06;ZNAMENNY COMBINING MARK MALO POVYSHE ON LEFT;Mn;0;NSM;;;N;;;;;  
1CF07;ZNAMENNY COMBINING MARK POVYSHE ON LEFT;Mn;0;NSM;;;N;;;;;  
1CF08;ZNAMENNY COMBINING MARK VYSOKO ON LEFT;Mn;0;NSM;;;N;;;;;  
1CF09;ZNAMENNY COMBINING MARK MALO POVYSHE S KHOKHLOM ON LEFT;Mn;0;NSM;;;N;;;;;  
1CF0A;ZNAMENNY COMBINING MARK POVYSHE S KHOKHLOM ON LEFT;Mn;0;NSM;;;N;;;;;  
1CF0B;ZNAMENNY COMBINING MARK VYSOKO S KHOKHLOM ON LEFT;Mn;0;NSM;;;N;;;;;  
1CF0C;ZNAMENNY COMBINING MARK GORAZDO NIZKO S KRYZHEM ON RIGHT;Mn;0;NSM;;;N;;;;;  
1CF0D;ZNAMENNY COMBINING MARK NIZKO S KRYZHEM ON RIGHT;Mn;0;NSM;;;N;;;;;  
1CF0E;ZNAMENNY COMBINING MARK TSATA ON RIGHT;Mn;0;NSM;;;N;;;;;  
1CF0F;ZNAMENNY COMBINING MARK GORAZDO NIZKO ON RIGHT;Mn;0;NSM;;;N;;;;;  
1CF10;ZNAMENNY COMBINING MARK NIZKO ON RIGHT;Mn;0;NSM;;;N;;;;;  
1CF11;ZNAMENNY COMBINING MARK SREDNE ON RIGHT;Mn;0;NSM;;;N;;;;;  
1CF12;ZNAMENNY COMBINING MARK MALO POVYSHE ON RIGHT;Mn;0;NSM;;;N;;;;;  
1CF13;ZNAMENNY COMBINING MARK POVYSHE ON RIGHT;Mn;0;NSM;;;N;;;;;  
1CF14;ZNAMENNY COMBINING MARK VYSOKO ON RIGHT;Mn;0;NSM;;;N;;;;;  
1CF15;ZNAMENNY COMBINING MARK MALO POVYSHE S KHOKHLOM ON RIGHT;Mn;0;NSM;;;N;;;;;  
1CF16;ZNAMENNY COMBINING MARK POVYSHE S KHOKHLOM ON RIGHT;Mn;0;NSM;;;N;;;;;  
1CF17;ZNAMENNY COMBINING MARK VYSOKO S KHOKHLOM ON RIGHT;Mn;0;NSM;;;N;;;;;  
1CF18;ZNAMENNY COMBINING MARK TSATA S KRYZHEM;Mn;0;NSM;;;N;;;;;  
1CF19;ZNAMENNY COMBINING MARK MALO POVYSHE S KRYZHEM;Mn;0;NSM;;;N;;;;;  
1CF1A;ZNAMENNY COMBINING MARK STRANNO MALO POVYSHE;Mn;0;NSM;;;N;;;;;  
1CF1B;ZNAMENNY COMBINING MARK POVYSHE S KRYZHEM;Mn;0;NSM;;;N;;;;;  
1CF1C;ZNAMENNY COMBINING MARK POVYSHE STRANNO;Mn;0;NSM;;;N;;;;;  
1CF1D;ZNAMENNY COMBINING MARK VYSOKO S KRYZHEM;Mn;0;NSM;;;N;;;;;  
1CF1E;ZNAMENNY COMBINING MARK MALO POVYSHE STRANNO;Mn;0;NSM;;;N;;;;;  
1CF1F;ZNAMENNY COMBINING MARK GORAZDO VYSOKO;Mn;0;NSM;;;N;;;;;  
1CF20;ZNAMENNY COMBINING MARK ZELO;Mn;0;NSM;;;N;;;;;  
1CF21;ZNAMENNY COMBINING MARK ON;Mn;0;NSM;;;N;;;;;  
1CF22;ZNAMENNY COMBINING MARK RAVNO;Mn;0;NSM;;;N;;;;;  
1CF23;ZNAMENNY COMBINING MARK TIKHAYA;Mn;0;NSM;;;N;;;;;  
1CF24;ZNAMENNY COMBINING MARK BORZAYA;Mn;0;NSM;;;N;;;;;  
1CF25;ZNAMENNY COMBINING MARK UDARKA;Mn;0;NSM;;;N;;;;;  
1CF26;ZNAMENNY COMBINING MARK PODVERTKA;Mn;0;NSM;;;N;;;;;  
1CF27;ZNAMENNY COMBINING MARK LOMKA;Mn;0;NSM;;;N;;;;;  
1CF28;ZNAMENNY COMBINING MARK KUPNAYA;Mn;0;NSM;;;N;;;;;  
1CF29;ZNAMENNY COMBINING MARK KACHKA;Mn;0;NSM;;;N;;;;;  
1CF2A;ZNAMENNY COMBINING MARK ZEVOK;Mn;0;NSM;;;N;;;;;  
1CF2B;ZNAMENNY COMBINING MARK SKOBA;Mn;0;NSM;;;N;;;;;  
1CF2C;ZNAMENNY COMBINING MARK RAZSEKA;Mn;0;NSM;;;N;;;;;  
1CF2D;ZNAMENNY COMBINING MARK KRYZH ON LEFT;Mn;0;NSM;;;N;;;;;  
1CF30;ZNAMENNY COMBINING TONAL RANGE MARK MRACHNO;Mn;0;NSM;;;N;;;;;  
1CF31;ZNAMENNY COMBINING TONAL RANGE MARK SVETLO;Mn;0;NSM;;;N;;;;;  
1CF32;ZNAMENNY COMBINING TONAL RANGE MARK TRESVETLO;Mn;0;NSM;;;N;;;;;  
1CF33;ZNAMENNY COMBINING MARK ZADERZHKA;Mn;0;NSM;;;N;;;;;  
1CF34;ZNAMENNY COMBINING MARK DEMESTVENNY ZADERZHKA;Mn;0;NSM;;;N;;;;;  
1CF35;ZNAMENNY COMBINING MARK OTSECHKA;Mn;0;NSM;;;N;;;;;  
1CF36;ZNAMENNY COMBINING MARK PODCHASHIE;Mn;0;NSM;;;N;;;;;  
1CF37;ZNAMENNY COMBINING MARK PODCHASHIE WITH VERTICAL STROKE;Mn;0;NSM;;;N;;;;;  
1CF38;ZNAMENNY COMBINING MARK CHASHKA;Mn;0;NSM;;;N;;;;;  
1CF39;ZNAMENNY COMBINING MARK CHASHKA POLNAYA;Mn;0;NSM;;;N;;;;;  
1CF3A;ZNAMENNY COMBINING MARK OBLACHKO;Mn;0;NSM;;;N;;;;;  
1CF3B;ZNAMENNY COMBINING MARK SOROCHYA NOZHKA;Mn;0;NSM;;;N;;;;;  
1CF3C;ZNAMENNY COMBINING MARK TOCHKA;Mn;0;NSM;;;N;;;;;  
1CF3D;ZNAMENNY COMBINING MARK DVOETOCHIE;Mn;0;NSM;;;N;;;;;  
1CF3E;ZNAMENNY COMBINING ATTACHING VERTICAL OMET;Mn;0;NSM;;;N;;;;;  
1CF3F;ZNAMENNY COMBINING MARK CURVED OMET;Mn;0;NSM;;;N;;;;;  
1CF40;ZNAMENNY COMBINING MARK KRYZH;Mn;0;NSM;;;N;;;;;  
1CF41;ZNAMENNY COMBINING LOWER TONAL RANGE INDICATOR;Mn;0;NSM;;;N;;;;;  
1CF42;ZNAMENNY PRIZNAK MODIFIER LEVEL-2;Mn;0;BN;;;N;;;;;  
1CF43;ZNAMENNY PRIZNAK MODIFIER LEVEL-3;Mn;0;BN;;;N;;;;;  
1CF44;ZNAMENNY PRIZNAK MODIFIER DIRECTION FLIP;Mn;0;BN;;;N;;;;;  
1CF45;ZNAMENNY PRIZNAK MODIFIER KRYZH;Mn;0;BN;;;N;;;;;  
1CF46;ZNAMENNY PRIZNAK MODIFIER ROG;Mn;0;BN;;;N;;;;;  
1CF50;ZNAMENNY NEUME KRYUK;So;0;L;;;N;;;;;

1CF51;ZNAMENNY NEUME KRYUK TIKHY;So;0;L;;;N;;;;;  
1CF52;ZNAMENNY NEUME PARAKLIT;So;0;L;;;N;;;;;  
1CF53;ZNAMENNY NEUME DVA V CHELNU;So;0;L;;;N;;;;;  
1CF54;ZNAMENNY NEUME KLYUCH;So;0;L;;;N;;;;;  
1CF55;ZNAMENNY NEUME ZANOZHEK;So;0;L;;;N;;;;;  
1CF56;ZNAMENNY NEUME STOPITSA;So;0;L;;;N;;;;;  
1CF57;ZNAMENNY NEUME STOPITSA S OCHKOM;So;0;L;;;N;;;;;  
1CF58;ZNAMENNY NEUME PEREVODKA;So;0;L;;;N;;;;;  
1CF59;ZNAMENNY NEUME PEREVODKA NEPOSTOYANNAYA;So;0;L;;;N;;;;;  
1CF5A;ZNAMENNY NEUME STOPITSA WITH SOROCHYA NOZHKA;So;0;L;;;N;;;;;  
1CF5B;ZNAMENNY NEUME CHELYUSTKA;So;0;L;;;N;;;;;  
1CF5C;ZNAMENNY NEUME PALKA;So;0;L;;;N;;;;;  
1CF5D;ZNAMENNY NEUME ZAPYATAYA;So;0;L;;;N;;;;;  
1CF5E;ZNAMENNY NEUME GOLUBCHIK BORZY;So;0;L;;;N;;;;;  
1CF5F;ZNAMENNY NEUME GOLUBCHIK TIKHY;So;0;L;;;N;;;;;  
1CF60;ZNAMENNY NEUME GOLUBCHIK MRACHNY;So;0;L;;;N;;;;;  
1CF61;ZNAMENNY NEUME GOLUBCHIK SVETLY;So;0;L;;;N;;;;;  
1CF62;ZNAMENNY NEUME GOLUBCHIK TRESVETLY;So;0;L;;;N;;;;;  
1CF63;ZNAMENNY NEUME VRAKHIYA PROSTAYA;So;0;L;;;N;;;;;  
1CF64;ZNAMENNY NEUME VRAKHIYA MRACHNAYA;So;0;L;;;N;;;;;  
1CF65;ZNAMENNY NEUME VRAKHIYA SVETLAYA;So;0;L;;;N;;;;;  
1CF66;ZNAMENNY NEUME VRAKHIYA TRESVETLAYA;So;0;L;;;N;;;;;  
1CF67;ZNAMENNY NEUME VRAKHIYA KLYUCHEVAYA PROSTAYA;So;0;L;;;N;;;;;  
1CF68;ZNAMENNY NEUME VRAKHIYA KLYUCHEVAYA MRACHNAYA;So;0;L;;;N;;;;;  
1CF69;ZNAMENNY NEUME VRAKHIYA KLYUCHEVAYA SVETLAYA;So;0;L;;;N;;;;;  
1CF6A;ZNAMENNY NEUME VRAKHIYA KLYUCHEVAYA TRESVETLAYA;So;0;L;;;N;;;;;  
1CF6B;ZNAMENNY NEUME DOUBLE ZAPYATAYA;So;0;L;;;N;;;;;  
1CF6C;ZNAMENNY NEUME REVERSED CHELYUSTKA;So;0;L;;;N;;;;;  
1CF6D;ZNAMENNY NEUME DERBITSA;So;0;L;;;N;;;;;  
1CF6E;ZNAMENNY NEUME KHAMILO;So;0;L;;;N;;;;;  
1CF6F;ZNAMENNY NEUME CHASHKA;So;0;L;;;N;;;;;  
1CF70;ZNAMENNY NEUME PODCHASHIE;So;0;L;;;N;;;;;  
1CF71;ZNAMENNY NEUME SKAMEYTSA MRACHNAYA;So;0;L;;;N;;;;;  
1CF72;ZNAMENNY NEUME SKAMEYTSA SVETLAYA;So;0;L;;;N;;;;;  
1CF73;ZNAMENNY NEUME SKAMEYTSA TRESVETLAYA;So;0;L;;;N;;;;;  
1CF74;ZNAMENNY NEUME SKAMEYTSA TIKHAYA;So;0;L;;;N;;;;;  
1CF75;ZNAMENNY NEUME DEMESTVENNY KLYUCH;So;0;L;;;N;;;;;  
1CF76;ZNAMENNY NEUME SKAMEYTSA KLYUCHEVAYA SVETLAYA;So;0;L;;;N;;;;;  
1CF77;ZNAMENNY NEUME SKAMEYTSA KLYUCHENEPOSTOYANNAYA;So;0;L;;;N;;;;;  
1CF78;ZNAMENNY NEUME SKAMEYTSA KLYUCHEVAYA TIKHAYA;So;0;L;;;N;;;;;  
1CF79;ZNAMENNY NEUME SKAMEYTSA DVOECHELNAYA PROSTAYA;So;0;L;;;N;;;;;  
1CF7A;ZNAMENNY NEUME SKAMEYTSA DVOECHELNAYA SVETLAYA;So;0;L;;;N;;;;;  
1CF7B;ZNAMENNY NEUME SKAMEYTSA DVOECHELNAYA NEPOSTOYANNAYA;So;0;L;;;N;;;;;  
1CF7C;ZNAMENNY NEUME SKAMEYTSA DVOECHELNAYA KLYUCHEVAYA;So;0;L;;;N;;;;;  
1CF7D;ZNAMENNY NEUME SLOZHITIE;So;0;L;;;N;;;;;  
1CF7E;ZNAMENNY NEUME SLOZHITIE S ZAPYATOY;So;0;L;;;N;;;;;  
1CF7F;ZNAMENNY NEUME SLOZHITIE ZAKRYTOE;So;0;L;;;N;;;;;  
1CF80;ZNAMENNY NEUME SLOZHITIE S KRYZHEM;So;0;L;;;N;;;;;  
1CF81;ZNAMENNY NEUME KRYZH;So;0;L;;;N;;;;;  
1CF82;ZNAMENNY NEUME ROG;So;0;L;;;N;;;;;  
1CF83;ZNAMENNY NEUME FITA;So;0;L;;;N;;;;;  
1CF84;ZNAMENNY NEUME KOBYLA;So;0;L;;;N;;;;;  
1CF85;ZNAMENNY NEUME ZMEYTSA;So;0;L;;;N;;;;;  
1CF86;ZNAMENNY NEUME STATYA;So;0;L;;;N;;;;;  
1CF87;ZNAMENNY NEUME STATYA S ZAPYATOY;So;0;L;;;N;;;;;  
1CF88;ZNAMENNY NEUME STATYA S KRYZHEM;So;0;L;;;N;;;;;  
1CF89;ZNAMENNY NEUME STATYA S ZAPYATOY I KRYZHEM;So;0;L;;;N;;;;;  
1CF8A;ZNAMENNY NEUME STATYA S KRYZHEM I ZAPYATOY;So;0;L;;;N;;;;;  
1CF8B;ZNAMENNY NEUME STATYA ZAKRYTAYA;So;0;L;;;N;;;;;  
1CF8C;ZNAMENNY NEUME STATYA ZAKRYTAYA S ZAPYATOY;So;0;L;;;N;;;;;  
1CF8D;ZNAMENNY NEUME STATYA S ROGOM;So;0;L;;;N;;;;;  
1CF8E;ZNAMENNY NEUME STATYA S DVUMYA ZAPYATYMI;So;0;L;;;N;;;;;  
1CF8F;ZNAMENNY NEUME STATYA S ZAPYATOY I PODCHASHIEM;So;0;L;;;N;;;;;  
1CF90;ZNAMENNY NEUME POLKULIZMY;So;0;L;;;N;;;;;  
1CF91;ZNAMENNY NEUME STATYA NEPOSTOYANNAYA;So;0;L;;;N;;;;;  
1CF92;ZNAMENNY NEUME STRELA PROSTAYA;So;0;L;;;N;;;;;  
1CF93;ZNAMENNY NEUME STRELA MRACHNOTIKHAYA;So;0;L;;;N;;;;;  
1CF94;ZNAMENNY NEUME STRELA KRYZHEVAYA;So;0;L;;;N;;;;;  
1CF95;ZNAMENNY NEUME STRELA POLUPOVDNAYA;So;0;L;;;N;;;;;  
1CF96;ZNAMENNY NEUME STRELA POVODNAYA;So;0;L;;;N;;;;;  
1CF97;ZNAMENNY NEUME STRELA NEPOSTOYANNAYA;So;0;L;;;N;;;;;

1CF98;ZNAMENNY NEUME STRELA KLYUCHEPOVODNAYA;So;0;L;;;N;;;;;  
1CF99;ZNAMENNY NEUME STRELA KLYUCHENEPOSTOYANNAYA;So;0;L;;;N;;;;;  
1CF9A;ZNAMENNY NEUME STRELA TIKHAYA PUTNAYA;So;0;L;;;N;;;;;  
1CF9B;ZNAMENNY NEUME STRELA DVOEHELNAYA;So;0;L;;;N;;;;;  
1CF9C;ZNAMENNY NEUME STRELA DVOEHELNOKRYZHEVAYA;So;0;L;;;N;;;;;  
1CF9D;ZNAMENNY NEUME STRELA DVOEHELNOPOVODNAYA;So;0;L;;;N;;;;;  
1CF9E;ZNAMENNY NEUME STRELA DVOEHELNAYA KLYUCHEVAYA;So;0;L;;;N;;;;;  
1CF9F;ZNAMENNY NEUME STRELA DVOEHELNOPOVODNAYA KLYUCHEVAYA;So;0;L;;;N;;;;;  
1CFA0;ZNAMENNY NEUME STRELA GROMNAYA WITH SINGLE ZAPYATAYA;So;0;L;;;N;;;;;  
1CFA1;ZNAMENNY NEUME STRELA GROMOPOVODNAYA WITH SINGLE ZAPYATAYA;So;0;L;;;N;;;;;  
1CFA2;ZNAMENNY NEUME STRELA GROMNAYA;So;0;L;;;N;;;;;  
1CFA3;ZNAMENNY NEUME STRELA GROMOPOVODNAYA;So;0;L;;;N;;;;;  
1CFA4;ZNAMENNY NEUME STRELA GROMOPOVODNAYA WITH DOUBLE ZAPYATAYA;So;0;L;;;N;;;;;  
1CFA5;ZNAMENNY NEUME STRELA GROMOKRYZHEVAYA;So;0;L;;;N;;;;;  
1CFA6;ZNAMENNY NEUME STRELA GROMOKRYZHEVAYA POVODNAYA;So;0;L;;;N;;;;;  
1CFA7;ZNAMENNY NEUME MECHIK;So;0;L;;;N;;;;;  
1CFA8;ZNAMENNY NEUME MECHIK POVODNY;So;0;L;;;N;;;;;  
1CFA9;ZNAMENNY NEUME MECHIK KLYUCHEVOY;So;0;L;;;N;;;;;  
1CFAA;ZNAMENNY NEUME MECHIK KLYUCHEPOVODNY;So;0;L;;;N;;;;;  
1CFAB;ZNAMENNY NEUME MECHIK KLYUCHENEPOSTOYANNY;So;0;L;;;N;;;;;  
1CFAC;ZNAMENNY NEUME STRELA TRYASOGLASNAYA;So;0;L;;;N;;;;;  
1CFAD;ZNAMENNY NEUME STRELA TRYASOPOVODNAYA;So;0;L;;;N;;;;;  
1CFAE;ZNAMENNY NEUME STRELA TRYASOSTRELNAYA;So;0;L;;;N;;;;;  
1CFAF;ZNAMENNY NEUME OSOKA;So;0;L;;;N;;;;;  
1CFB0;ZNAMENNY NEUME OSOKA SVETLAYA;So;0;L;;;N;;;;;  
1CFB1;ZNAMENNY NEUME OSOKA TRESVETLAYA;So;0;L;;;N;;;;;  
1CFB2;ZNAMENNY NEUME OSOKA KRYUKOVAYA SVETLAYA;So;0;L;;;N;;;;;  
1CFB3;ZNAMENNY NEUME OSOKA KLYUCHEVAYA SVETLAYA;So;0;L;;;N;;;;;  
1CFB4;ZNAMENNY NEUME OSOKA KLYUCHEVAYA NEPOSTOYANNAYA;So;0;L;;;N;;;;;  
1CFB5;ZNAMENNY NEUME STRELA KRYUKOVAYA;So;0;L;;;N;;;;;  
1CFB6;ZNAMENNY NEUME STRELA KRYUKOVAYA POVODNAYA;So;0;L;;;N;;;;;  
1CFB7;ZNAMENNY NEUME STRELA KRYUKOVAYA GROMNAYA WITH SINGLE ZAPYATAYA;So;0;L;;;N;;;;;  
1CFB8;ZNAMENNY NEUME STRELA KRYUKOVAYA GROMOPOVODNAYA WITH SINGLE  
ZAPYATAYA;So;0;L;;;N;;;;;  
1CFB9;ZNAMENNY NEUME STRELA KRYUKOVAYA GROMNAYA;So;0;L;;;N;;;;;  
1CFBA;ZNAMENNY NEUME STRELA KRYUKOVAYA GROMOPOVODNAYA;So;0;L;;;N;;;;;  
1CFBB;ZNAMENNY NEUME STRELA KRYUKOVAYA GROMOPOVODNAYA WITH DOUBLE  
ZAPYATAYA;So;0;L;;;N;;;;;  
1CFBC;ZNAMENNY NEUME STRELA KRYUKOVAYA GROMOKRYZHEVAYA;So;0;L;;;N;;;;;  
1CFBD;ZNAMENNY NEUME STRELA KRYUKOVAYA GROMOKRYZHEVAYA POVODNAYA;So;0;L;;;N;;;;;  
1CFBE;ZNAMENNY NEUME STRELA KRYUKOVAYA TRYASKA;So;0;L;;;N;;;;;  
1CFBF;ZNAMENNY NEUME KUFISMA;So;0;L;;;N;;;;;  
1CFC0;ZNAMENNY NEUME OBLAKO;So;0;L;;;N;;;;;  
1CFC1;ZNAMENNY NEUME DUDA;So;0;L;;;N;;;;;  
1CFC2;ZNAMENNY NEUME NEMKA;So;0;L;;;N;;;;;  
1CFC3;ZNAMENNY NEUME PAUK;So;0;L;;;N;;;;;

	1CF0	1CF1	1CF2	1CF3	1CF4	1CF5	1CF6	1CF7	1CF8	1CF9	1CFA	1CFB	1CFC
0													
1													
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A													
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D													
E													
F													

**Combining Red Marks (Pometry)**

1CF00	ʒ	ZNAMENNY COMBINING RED MARK GORAZDO NIZKO S KRYZHEM ON LEFT
1CF01	ʒ	ZNAMENNY COMBINING RED MARK NIZKO S KRYZHEM ON LEFT
1CF02	ʒ	ZNAMENNY COMBINING RED MARK TSATA ON LEFT
1CF03	ʒ	ZNAMENNY COMBINING RED MARK GORAZDO NIZKO ON LEFT
1CF04	ʒ	ZNAMENNY COMBINING RED MARK NIZKO ON LEFT
1CF05	ʒ	ZNAMENNY COMBINING RED MARK SREDNE ON LEFT
1CF06	ʒ	ZNAMENNY COMBINING RED MARK MALO POVYSHE ON LEFT
1CF07	ʒ	ZNAMENNY COMBINING RED MARK POVYSHE ON LEFT
1CF08	ʒ	ZNAMENNY COMBINING RED MARK VYSOKO ON LEFT
1CF09	ʒ	ZNAMENNY COMBINING RED MARK MALO POVYSHE S KHOKHLOM ON LEFT
1CF0A	ʒ	ZNAMENNY COMBINING RED MARK POVYSHE S KHOKHLOM ON LEFT
1CF0B	ʒ	ZNAMENNY COMBINING RED MARK VYSOKO S KHOKHLOM ON LEFT
1CF0C	ʒ	ZNAMENNY COMBINING RED MARK GORAZDO NIZKO S KRYZHEM ON RIGHT
1CF0D	ʒ	ZNAMENNY COMBINING RED MARK NIZKO S KRYZHEM ON RIGHT
1CF0E	ʒ	ZNAMENNY COMBINING RED MARK TSATA ON RIGHT
1CF0F	ʒ	ZNAMENNY COMBINING RED MARK GORAZDO NIZKO ON RIGHT
1CF10	ʒ	ZNAMENNY COMBINING RED MARK NIZKO ON RIGHT
1CF11	ʒ	ZNAMENNY COMBINING RED MARK SREDNE ON RIGHT
1CF12	ʒ	ZNAMENNY COMBINING RED MARK MALO POVYSHE ON RIGHT
1CF13	ʒ	ZNAMENNY COMBINING RED MARK POVYSHE ON RIGHT
1CF14	ʒ	ZNAMENNY COMBINING RED MARK VYSOKO ON RIGHT
1CF15	ʒ	ZNAMENNY COMBINING RED MARK MALO POVYSHE S KHOKHLOM ON RIGHT
1CF16	ʒ	ZNAMENNY COMBINING RED MARK POVYSHE S KHOKHLOM ON RIGHT
1CF17	ʒ	ZNAMENNY COMBINING RED MARK VYSOKO S KHOKHLOM ON RIGHT
1CF18	ʒ	ZNAMENNY COMBINING MARK TSATA S KRYZHEM
1CF19	ʒ	ZNAMENNY COMBINING MARK MALO POVYSHE S KRYZHEM
1CF1A	ʒ	ZNAMENNY COMBINING MARK STRANNO MALO POVYSHE
1CF1B	ʒ	ZNAMENNY COMBINING MARK POVYSHE S KRYZHEM
1CF1C	ʒ	ZNAMENNY COMBINING MARK POVYSHE STRANNO
1CF1D	ʒ	ZNAMENNY COMBINING MARK VYSOKO S KRYZHEM
1CF1E	ʒ	ZNAMENNY COMBINING MARK MALO POVYSHE STRANNO
1CF1F	ʒ	ZNAMENNY COMBINING MARK GORAZDO VYSOKO
1CF20	ʒ	ZNAMENNY COMBINING MARK ZELO
1CF21	ʒ	ZNAMENNY COMBINING MARK ON
1CF22	ʒ	ZNAMENNY COMBINING MARK RAVNO
1CF23	ʒ	ZNAMENNY COMBINING MARK TIKHAYA
1CF24	ʒ	ZNAMENNY COMBINING MARK BORZAYA
1CF25	ʒ	ZNAMENNY COMBINING MARK UDARKA
1CF26	ʒ	ZNAMENNY COMBINING MARK PODVERTKA
1CF27	ʒ	ZNAMENNY COMBINING MARK LOMKA
1CF28	ʒ	ZNAMENNY COMBINING MARK KUPNAYA
1CF29	ʒ	ZNAMENNY COMBINING MARK KACHKA

1CF2A	ʒ	ZNAMENNY COMBINING MARK ZEVOK
1CF2B	ʒ	ZNAMENNY COMBINING RED MARK SKOBA
1CF2C	ʒ	ZNAMENNY COMBINING MARK RAZSEKA
1CF2D	ʒ	ZNAMENNY COMBINING MARK KRYZH ON LEFT

**Combining Black Marks**

1CF30	ʒ	ZNAMENNY COMBINING TONAL RANGE MARK MRACHNO
1CF31	ʒ	ZNAMENNY COMBINING TONAL RANGE MARK SVETLO
1CF32	ʒ	ZNAMENNY COMBINING TONAL RANGE MARK TRESVETLO
1CF33	ʒ	ZNAMENNY COMBINING MARK ZADERZHKA • Ottyazhka
1CF34	ʒ	ZNAMENNY COMBINING MARK DEMESTVENNY ZADERZHKA
1CF35	ʒ	ZNAMENNY COMBINING MARK OTSECHKA
1CF36	ʒ	ZNAMENNY COMBINING MARK PODCHASHIE
1CF37	ʒ	ZNAMENNY COMBINING MARK PODCHASHIE WITH VERTICAL STROKE
1CF38	ʒ	ZNAMENNY COMBINING MARK CHASHKA
1CF39	ʒ	ZNAMENNY COMBINING MARK CHASHKA POLNAYA
1CF3A	ʒ	ZNAMENNY COMBINING MARK OBLACHKO
1CF3B	ʒ	ZNAMENNY COMBINING MARK SOROCHYA NOZHKA • Sokolik
1CF3C	ʒ	ZNAMENNY COMBINING MARK TOCHKA
1CF3D	ʒ	ZNAMENNY COMBINING MARK DVOYETOCHIYE
1CF3E	ʒ	ZNAMENNY COMBINING ATTACHING VERTICAL OMET
1CF3F	ʒ	ZNAMENNY COMBINING MARK CURVED OMET
1CF40	ʒ	ZNAMENNY COMBINING MARK KRYZH
1CF41	ʒ	ZNAMENNY COMBINING LOWER TONAL RANGE INDICATOR

**Control Characters for Priznaki**

1CF42	ʒ	ZNAMENNY PRIZNAK MODIFIER LEVEL-2
1CF43	ʒ	ZNAMENNY PRIZNAK MODIFIER LEVEL-3
1CF44	ʒ	ZNAMENNY PRIZNAK MODIFIER DIRECTION FLIP
1CF45	ʒ	ZNAMENNY PRIZNAK MODIFIER KRYZH
1CF46	ʒ	ZNAMENNY PRIZNAK MODIFIER ROG

**Znamenny Neumes**

1CF50	ʒ	ZNAMENNY NEUME KRYUK
1CF51	ʒ	ZNAMENNY NEUME KRYUK TIKHY
1CF52	ʒ	ZNAMENNY NEUME PARAKLIT
1CF53	ʒ	ZNAMENNY NEUME DVA V CHELNU
1CF54	ʒ	ZNAMENNY NEUME KLYUCH • Kryuk Klyuchevoy
1CF55	ʒ	ZNAMENNY NEUME ZANOZHEK
1CF56	ʒ	ZNAMENNY NEUME STOPITSA
1CF57	ʒ	ZNAMENNY NEUME STOPITSA S OCHKOM
1CF58	ʒ	ZNAMENNY NEUME PEREVODKA
1CF59	ʒ	ZNAMENNY NEUME PEREVODKA NEPOSTOYANNAYA
1CF5A	ʒ	ZNAMENNY NEUME STOPITSA WITH SOROCHYA NOZHKA • This is not a decomposable character
1CF5B	ʒ	ZNAMENNY NEUME CHELYUSTKA
1CF5C	ʒ	ZNAMENNY NEUME PALKA
1CF5D	ʒ	ZNAMENNY NEUME ZAPYATAYA
1CF5E	ʒ	ZNAMENNY NEUME GOLUBCHIK BORZY
1CF5F	ʒ	ZNAMENNY NEUME GOLUBCHIK TIKHY
1CF60	ʒ	ZNAMENNY NEUME GOLUBCHIK MRACHNY
1CF61	ʒ	ZNAMENNY NEUME GOLUBCHIK SVETLY

1CF62 <sup>no</sup>	ZNAMENNY NEUME GOLUBCHIK TRESVETLY • Golubchik Nepostoyanny	1CF90 <sup>no</sup>	ZNAMENNY NEUME POLKULIZMY • This is not a decomposable character
1CF63 <sup>no</sup>	ZNAMENNY NEUME VRAKHIA PROSTAYA	1CF91 <sup>no</sup>	ZNAMENNY NEUME STATYA NEPOSTOYANNAYA
1CF64 <sup>no</sup>	ZNAMENNY NEUME VRAKHIA MRACHNAYA	1CF92 <sup>no</sup>	ZNAMENNY NEUME STRELA PROSTAYA
1CF65 <sup>no</sup>	ZNAMENNY NEUME VRAKHIA SVETLAYA	1CF93 <sup>no</sup>	ZNAMENNY NEUME STRELA MRACHNOTIKHAYA
1CF66 <sup>no</sup>	ZNAMENNY NEUME VRAKHIA TRESVETLAYA • Vrakhia Nepostoyannaya	1CF94 <sup>no</sup>	ZNAMENNY NEUME STRELA KRYZHEVAYA • Strela Polukryzhevaya
1CF67 <sup>no</sup>	ZNAMENNY NEUME VRAKHIA KLYUCHEVAYA PROSTAYA	1CF95 <sup>no</sup>	ZNAMENNY NEUME STRELA POLUPOVODNAYA
1CF68 <sup>no</sup>	ZNAMENNY NEUME VRAKHIA KLYUCHEVAYA MRACHNAYA	1CF96 <sup>no</sup>	ZNAMENNY NEUME STRELA POVODNAYA
1CF69 <sup>no</sup>	ZNAMENNY NEUME VRAKHIA KLYUCHEVAYA SVETLAYA	1CF97 <sup>no</sup>	ZNAMENNY NEUME STRELA NEPOSTOYANNAYA
1CF6A <sup>no</sup>	ZNAMENNY NEUME VRAKHIA KLYUCHEVAYA TRESVETLAYA • Vrakhia Klyuchevaya Nepostoyannaya	1CF98 <sup>no</sup>	ZNAMENNY NEUME STRELA KLYUCHEPOVODNAYA
1CF6B <sup>no</sup>	ZNAMENNY NEUME DOUBLE ZAPYATAYA	1CF99 <sup>no</sup>	ZNAMENNY NEUME STRELA KLYUCHENEPOSTOYANNAYA
1CF6C <sup>no</sup>	ZNAMENNY NEUME REVERSED CHELYUSTKA	1CF9A <sup>no</sup>	ZNAMENNY NEUME STRELA TIKHAYA PUTNAYA
1CF6D <sup>no</sup>	ZNAMENNY NEUME DERBITSA	1CF9B <sup>no</sup>	ZNAMENNY NEUME STRELA DVOYECHELNAYA
1CF6E <sup>no</sup>	ZNAMENNY NEUME KHAMILO	1CF9C <sup>no</sup>	ZNAMENNY NEUME STRELA DVOYECHELNOKRYZHEVAYA
1CF6F <sup>no</sup>	ZNAMENNY NEUME CHASHKA	1CF9D <sup>no</sup>	ZNAMENNY NEUME STRELA DVOYECHELNOPOVODNAYA
1CF70 <sup>no</sup>	ZNAMENNY NEUME PODCHASHIE	1CF9E <sup>no</sup>	ZNAMENNY NEUME STRELA DVOYECHELNAYA KLYUCHEVAYA
1CF71 <sup>no</sup>	ZNAMENNY NEUME SKAMEY TSA MRACHNAYA	1CF9F <sup>no</sup>	ZNAMENNY NEUME STRELA DVOYECHELNOPOVODNAYA KLYUCHEVAYA
1CF72 <sup>no</sup>	ZNAMENNY NEUME SKAMEY TSA SVETLAYA	1CFA0 <sup>no</sup>	ZNAMENNY NEUME STRELA GROMNAYA WITH SINGLE ZAPYATAYA
1CF73 <sup>no</sup>	ZNAMENNY NEUME SKAMEY TSA TRESVETLAYA	1CFA1 <sup>no</sup>	ZNAMENNY NEUME STRELA GROMOPOVODNAYA WITH SINGLE ZAPYATAYA
1CF74 <sup>no</sup>	ZNAMENNY NEUME SKAMEY TSA TIKHAYA	1CFA2 <sup>no</sup>	ZNAMENNY NEUME STRELA GROMNAYA
1CF75 <sup>no</sup>	ZNAMENNY NEUME DEMESTVENNY KLYUCH • Skameytsa Klyuchevaya	1CFA3 <sup>no</sup>	ZNAMENNY NEUME STRELA GROMOPOVODNAYA
1CF76 <sup>no</sup>	ZNAMENNY NEUME SKAMEY TSA KLYUCHEVAYA SVETLAYA	1CFA4 <sup>no</sup>	ZNAMENNY NEUME STRELA GROMOPOVODNAYA WITH DOUBLE ZAPYATAYA
1CF77 <sup>no</sup>	ZNAMENNY NEUME SKAMEY TSA KLYUCHENEPOSTOYANNAYA	1CFA5 <sup>no</sup>	ZNAMENNY NEUME STRELA GROMOKRYZHEVAYA
1CF78 <sup>no</sup>	ZNAMENNY NEUME SKAMEY TSA KLYUCHEVAYA TIKHAYA	1CFA6 <sup>no</sup>	ZNAMENNY NEUME STRELA GROMOKRYZHEVAYA POVODNAYA • Strela Gromomrachnaya s Kryzhem
1CF79 <sup>no</sup>	ZNAMENNY NEUME SKAMEY TSA DVOECHELNAYA PROSTAYA	1CFA7 <sup>no</sup>	ZNAMENNY NEUME MECHIK
1CF7A <sup>no</sup>	ZNAMENNY NEUME SKAMEY TSA DVOYECHELNAYA SVETLAYA	1CFA8 <sup>no</sup>	ZNAMENNY NEUME MECHIK POVODNY
1CF7B <sup>no</sup>	ZNAMENNY NEUME SKAMEY TSA DVOYECHELNAYA NEPOSTOYANNAYA	1CFA9 <sup>no</sup>	ZNAMENNY NEUME MECHIK KLYUCHEVOY
1CF7C <sup>no</sup>	ZNAMENNY NEUME SKAMEY TSA DVOYECHELNAYA KLYUCHEVAYA	1CFAA <sup>no</sup>	ZNAMENNY NEUME MECHIK KLYUCHEPOVODNY
1CF7D <sup>no</sup>	ZNAMENNY NEUME SLOZHITIE	1CFAB <sup>no</sup>	ZNAMENNY NEUME STRELA KLYUCHENEPOSTOYANNY
1CF7E <sup>no</sup>	ZNAMENNY NEUME SLOZHITIE S ZAPYATOY	1CFAC <sup>no</sup>	ZNAMENNY NEUME STRELA TRYASOGLASNAYA
1CF7F <sup>no</sup>	ZNAMENNY NEUME SLOZHITIE ZAKRYTOE	1CFAD <sup>no</sup>	ZNAMENNY NEUME STRELA TRYASOPOVODNAYA
1CF80 <sup>no</sup>	ZNAMENNY NEUME SLOZHITIE S KRYZHEM	1CFAE <sup>no</sup>	ZNAMENNY NEUME STRELA TRYASOSTRELNAYA
1CF81 <sup>no</sup>	ZNAMENNY NEUME KRYZH	1CFAF <sup>no</sup>	ZNAMENNY NEUME OSOKA
1CF82 <sup>no</sup>	ZNAMENNY NEUME ROG	1CFB0 <sup>no</sup>	ZNAMENNY NEUME OSOKA SVETLAYA
1CF83 <sup>no</sup>	ZNAMENNY NEUME FITA	1CFB1 <sup>no</sup>	ZNAMENNY NEUME OSOKA TRESVETLAYA • Osoka Nepostoyannaya
1CF84 <sup>no</sup>	ZNAMENNY NEUME KOBYLA	1CFB2 <sup>no</sup>	ZNAMENNY NEUME OSOKA KRYUKOVAYA SVETLAYA
1CF85 <sup>no</sup>	ZNAMENNY NEUME ZMEY TSA • Litso	1CFB3 <sup>no</sup>	ZNAMENNY NEUME OSOKA KLYUCHEVAYA SVETLAYA
1CF86 <sup>no</sup>	ZNAMENNY NEUME STATYA	1CFB4 <sup>no</sup>	ZNAMENNY NEUME OSOKA KLYUCHEVAYA NEPOSTOYANNAYA
1CF87 <sup>no</sup>	ZNAMENNY NEUME STATYA S ZAPYATOY	1CFB5 <sup>no</sup>	ZNAMENNY NEUME STRELA KRYUKOVAYA
1CF88 <sup>no</sup>	ZNAMENNY NEUME STATYA S KRYZHEM	1CFB6 <sup>no</sup>	ZNAMENNY NEUME STRELA KRYUKOVAYA POVODNAYA
1CF89 <sup>no</sup>	ZNAMENNY NEUME STATYA S ZAPYATOY I KRYZHEM		
1CF8A <sup>no</sup>	ZNAMENNY NEUME STATYA S KRYZHEM I ZAPYATOY		
1CF8B <sup>no</sup>	ZNAMENNY NEUME STATYA ZAKRYTAYA		
1CF8C <sup>no</sup>	ZNAMENNY NEUME STATYA ZAKRYTAYA S ZAPYATOY		
1CF8D <sup>no</sup>	ZNAMENNY NEUME STATYA S ROGOM		
1CF8E <sup>no</sup>	ZNAMENNY NEUME STATYA S DVUMYA ZAPYATYMI		
1CF8F <sup>no</sup>	ZNAMENNY NEUME STATYA S ZAPYATOY I PODCHASHIEM		

- 1CFB7 ✓ ZNAMENNY NEUME STRELA KRYUKOVAYA  
GROMNAYA WITH SINGLE ZAPYATAYA
- 1CFB8 ✎ ZNAMENNY NEUME STRELA KRYUKOVAYA  
GROMOPOVODNAYA WITH SINGLE  
ZAPYATAYA
- 1CFB9 ✎ ZNAMENNY NEUME STRELA KRYUKOVAYA  
GROMNAYA
- 1CFBA ✎ ZNAMENNY NEUME STRELA KRYUKOVAYA  
GROMOPOVODNAYA
- 1CFBB ✎ ZNAMENNY NEUME STRELA KRYUKOVAYA  
GROMOPOVODNAYA WITH DOUBLE  
ZAPYATAYA
- 1CFBC ✎ ZNAMENNY NEUME STRELA KRYUKOVAYA  
GROMOKRYZHEVAYA
- 1CFBD ✎ ZNAMENNY NEUME STRELA KRYUKOVAYA  
GROMOKRYZHEVAYA POVODNAYA
- Strela Kryukovaya Gromomrchnaya s  
Kryzhem
- 1CFBE ✎ ZNAMENNY NEUME STRELA KRYUKOVAYA  
TRYASKA
- 1CFBF ✓ ZNAMENNY NEUME KUFISMA
- See U+1CF54 ✎ for the modern shape
- 1CFC0 ~ ZNAMENNY NEUME OBLAKO
- 1CFC1 † ZNAMENNY NEUME DUDA
- 1CFC2 ‡ ZNAMENNY NEUME NEMKA
- 1CFC3 ✓ ZNAMENNY NEUME PAUK