To: Unicode Technical Committee

Title: Towards a Unicode encoding for Stokoe Notation

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1. Introduction

This document is intended to introduce Stokoe Notation to the UTC with the hope that UTC will be able to give guidance in the best process for encoding Stokoe Notation.

At this point we have not attempted to engage experts from all users of Stokoe Notation. We have been in touch with a Stokoe Notation user from each language (with the exception of Hong Kong Sign Language) with varying degrees of engagement. Once the issues raised in this document are addressed we will begin a greater effort of engaging all parties.

1.1. Outcomes

Our hope is that UTC will be able to give direction on the following:

- 1. Should Stokoe Notation be disunified¹ with Latin?
 - a. Handshapes (dez) should Latin (A..Z, etc) be encoded? See section 3.1. If unified with Latin, where should the handshapes that still need encoding be put...in Latin blocks or in the Stokoe Notation block?
 - b. Parts of the Hand or Contact (con) should the superscript numbers and letters be encoded? See section 3.2.
 - c. Location symbols (tab) should bracket lookalikes (), $\{\}$, [] be encoded?² See section 3.3.
 - d. Combining marks should lookalike ($\dot{\circ}$, $\ddot{\circ}$, $\hat{\circ}$, etc) characters be encoded? If not, which block should the unencoded ones be added to? See section 3.4.
 - e. Handshapes (dez) within sig (superscripted within brackets) should these be encoded again or let smart rendering handle it?³ See section 3.10.
- 2. Should Hong Kong Sign Language (HKSL), Signed Swedish (SS) and Dutch Sign Language (DSE) be included in this proposal? Because of significant extensions, the creators of both DSE and SS believe they should not be considered Stokoe Notation. This question will ultimately have to be answered by the user community, but it would be helpful to get input from the UTC.
- 3. If disunified (from Latin), a block of approximately 32 columns should be assigned to Stokoe Notation.

3. There is no intention to use Stokoe for IDN. The only overlap between Stokoe and Latin is derivational. The function of the letters has completely changed.

¹ We would encourage disunification from the Latin script for the following reasons:

^{1.} There is no case relationship between "upper case" and "lower case" looking characters (such as "B" and "b"). This is evidenced by Stokoe requiring a complete set of "Latin looking" capitals but only a few lower case letters. In addition, Stokoe is clearly a caseless writing system.

^{2.} The proportion of overlap between Latin and Stokoe is low and pretty much only extends to the base (handshape) characters. Thus to reduce impact on the Latin script of some 400+ characters being added, and particularly the three control characters, it would be best to disunify.

² These are not punctuation, they represent a location on the body and should probably be encoded.

³ We would suggest that these not be reencoded, but let smart rendering handle the superscripting and whatever shaping may be required.

To aid in this decision of whether to unify with Latin or not, the Unicode charts at the end of this document have highlighted characters that could be considered to be in Unicode already.

2. Introduction to Stokoe Notation

Stokoe Notation is a system for *describing* sign language. It is not a system for *writing* sign language. One might compare it to the International Phonetic Alphabet in that it is used as a descriptive language and not as an orthography. Stokoe Notation is used in dictionaries, some linguistics books and research papers; having it in Unicode will be of great benefit for the research community. At this point it seems unlikely to be widely used by the Deaf except in academic circles.

Stokoe Notation was first described in 1960 by William C. Stokoe. Stokoe was the first person to actually document that a sign language was a language in its own right. He later published a dictionary (1965) for American Sign Language (ASL) using this notation. In general, his original system used existing characters on typewriters that could be re-used, however they clearly have different semantic uses. Subsequently, Stokoe Notation has been taken and (greatly) expanded by several other sign languages including British Sign Language (BSL), Italian Sign Language (LIS) and Signed Swedish (SS).

Thus, we are currently aware of four significant dictionaries using Stokoe Notation. These are Stokoe's own ASL dictionary from 1965 (346 pages), Brien's BSL dictionary of 1992 (1084 pages), Radutzky's Italian Sign Language dictionary of 1992 (1011 pages) and the Signed Swedish dictionary of 1998 (600+ pages). Tang produced a 703 page dictionary for Hong Kong Sign Language (HKSL) which does not use Stokoe Notation in the standard way. However, it does use handshapes (*dez*) for sorting entries and superimposed on handshape photographs are movement (*sig*) symbols. Some of the handshapes use a few combining marks and there are a few movement symbols which are not in other Stokoe Notation dictionaries and we are including those in this document. Each of the dictionaries that use photos or drawings also use movement arrows and symbols superimposed on the photo or drawing. They are well documented in the LIS, SS, HKSL and BSL dictionaries. As graphical objects it is unlikely that they would be included in a final proposal, however, the Signed Swedish movement arrows and symbols are included in the charts at the end of this document.

Stokoe Notation is written left to right. A sign is always from the signer's point of view.

In the original Stokoe Notation, there were three types of symbols described. Stokoe dubbed the three types of symbols *tab* (for "tabula" or place, location of hand), *dez* (for "designator" or handshape), and *sig* (for sign action or motion). Symbols were intended to be written in strict tab-dez-sig order. Stokoe used superscripted and subscripted *sig* symbols. He called them all *sigs*. In extended usage of Stokoe, the *sig* symbols are consistently superscripted and stacked. Subscript usage has been extended to define hand arrangement (*ha*) and orientation (*ori*) symbols. Contact (*con*) symbols are very infrequently used for parts of the hand. With the extension of Stokoe Notation in this way and because some sign languages commonly use two hands this strict order is not always followed. We provide here an example of Stokoe Notation.

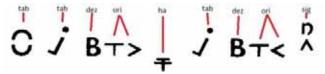
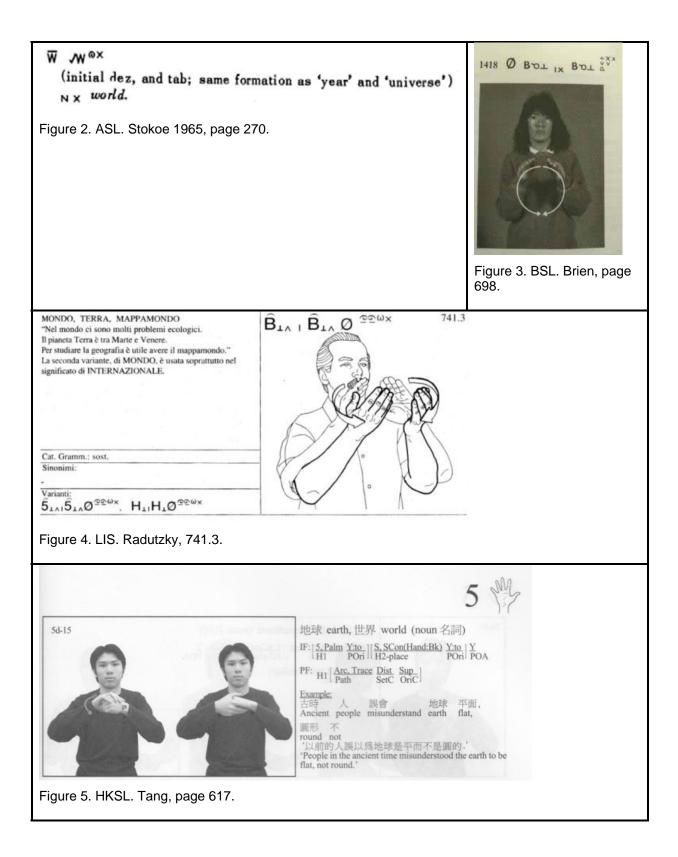
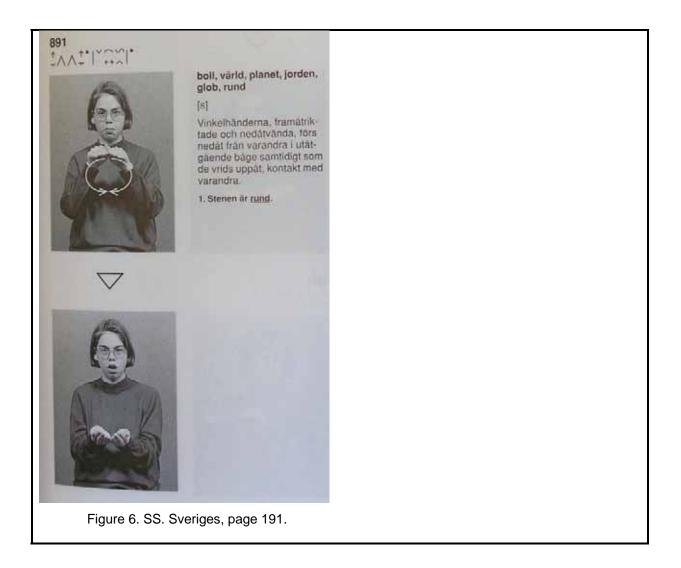


Figure 1. BSL. Brien, page 29.

In order to see how the dictionaries actually use Stokoe Notation, we list here dictionary entries for "earth" or "world" from five sign language dictionaries.





3. Description of Stokoe Notation Symbols

The following sections relate to the characters used by Stokoe Notation and we include discussion on characters that are straightforward and characters that are problematical.

Although most uses of Stokoe require the characters to be placed in *tab-(con)-dez-(ori)-(ha)-sig* order, the *dez* (handshapes) symbols are almost always documented first. Thus, our draft charts encode the *dez* symbols first.

3.1. Handshape (dez)

The *dez* symbols show the shape of the hand. The sign language dictionaries we have reviewed typically use Latin characters and digits for the handshape (HS) sometimes followed by one or two diacritics. Sort order varies. Stokoe attempted to follow a Latin based sort order and BSL, LIS, SS and HKSL sort by handshape. This later order is geared toward the deaf. The chart currently follows a Latin-based order. However, if these characters are encoded, it is likely we will attempt to follow an order based on handshape.

The handshape characters are primarily upper case Latin-looking characters (A..Z+), most digits and other characters that are not anywhere in Unicode. We anticipate that these would have a general category of "Lo".

In this section we also include a few lower case Latin-looking (b,d,e,g,m,n,o,p,s) characters, superscript and subscript characters. At this point we are not sure where they belong. They could perhaps be better considered as modifiers to the handshapes. It's difficult to evaluate what their general category should be until we complete the analysis.

It should be noted that Stokoe does not use case, the "lower case Latin-looking" characters are not be case pairs with the "upper case Latin-looking" characters.

The only rendering required for the handshapes is that they can take up to four combining marks (up to three above and one below). An exception to this "simple" rendering requirement is that a *dez* can appear within a *sig* between brackets. This means the *dez* is smaller than the regular size. See figure below.

396. U Ĝ_⊥∧ Ĝ_⊥∧

Figure 7. BSL. Brien, page 86.

Action 1a: should Latin (A..Z, etc) be encoded?

3.2. Parts of the Hand or Contact (con)

The "parts of the hand" symbols are used in BSL and DSE. Kyle calls these *con* (for contact) symbols. Brien just labels them as "Parts of the hand." One or more *con* symbols can appear in front of *dez* symbols.

Figure 8. BSL. Brien, page 33.

Action 1b: should the superscript numbers and letters be encoded?

3.3. Location (tab)

Location symbols show the *place* or *tabula (tab)* where the sign is made. They are fairly straightforward. The only rendering required is that they can "carry" a combining mark.

G_ζ ^ω (dez index across nostrils) _N kid, kids. Not in polite usage as sign is imitative of runny noses.

Figure 9. Example of combining mark below a tab (nose). ASL. Stokoe 1965, page 138.

There are several characters that could be encoded as "pieces" rather than as a unit. They are sometimes used individually and sometimes as a whole. However, these characters have the potential to also carry combining marks. For example, in Signed Swedish we have "eye" () and "eyes" (). The symbol for "eyes" can have a combining mark above it and thus it must be encoded as a unit.

Figure 10. SS. Sveriges 1998, page 503.

Despite the fact that some of these appear similar to characters already encoded in Unicode (see brackets below), we believe they should all be encoded in the Stokoe Notation block. This is because location symbols serve a distinct semantic purpose which is completely different from the similar looking characters.

Figure 11. BSL. Brien, page 199.

The tab symbols we believe should be encoded are listed in the chart at the end of this document. In general, the symbols are listed in logical order beginning with the 'neutral space' in front of the signer's body, and then moves from the top of the head downwards. The list ends with the hip symbol. At the very end are symbols only used by one sign language.

Action 1c: should bracket lookalikes (), {}, [] be encoded?

3.4. Combining marks

This seems an appropriate time to discuss combining marks. Combining marks are most often used on the *dez* (handshape) symbol although they can also be used with the *tab* and in Italian Sign Language with the *sig*.

Combining marks must be able to stack (up to three) and position properly over (or under) a *tab*, a *dez* or a *sig* symbol.

Action 1d: should lookalike ($\dot{\circ}$, $\ddot{\circ}$, $\hat{\circ}$, etc) characters be encoded? If not, which block should the unencoded ones be added to (Stokoe Notation block or Combining Diacritical Marks Supplement)?

3.5. Orientation (ori)

The next group of symbols gives *orientation* information, describing the way the handshape is held. In BSL, the first symbol gives the direction the palm is facing (from the signer's point of view). The palm may be facing up or down, etc. The second symbol gives the direction the fingers are pointing (again, from the signer's point of view).

The BSL *ori* symbols do not require any unusual shaping behavior. ASL and LIS have them subscripted, BSL has them on the baseline.



Figure 12. LIS. Radutzky, 105.3.

One unresolved issue is that BSL (and LIS) have a set of palm orientation symbols and a set of finger orientation symbols. Several of the symbols are the same glyph, however, depending on whether it is "palm" (first) or "finger" (second) position, they have different meaning. Since analysis and dictionary usage requires sorting it is likely that we would request that the palm orientation symbols be encoded separately from the finger orientation symbols.

The *ori* symbols are further complicated because SS uses similar shapes with *different meaning* and both SS and DSE will require some sort of shaping behavior. These issues will have to be addressed with the language communities.

3.6. Hand arrangement (ha)

Hand arrangement (*ha*) symbols are for when two hands are required for a particular sign. They tell you about the arrangement of the hands: side by side, one above the other, and so on. These symbols do not have one fixed place in the notation as a whole, so you have to look out for them carefully. There are two combining marks used in the Hand arrangement. These are a line above or a line below. These combining marks sometimes appear over (or under) a *tab* symbol or more often with the *dez* symbol. The *ha* combining marks are in a fixed position above the handshape and may have other intervening combining marks. See Figure 13 below.

The other symbols are subscripts and do not require any special positioning. However, they may be slightly offset and larger than the *ori* symbols in order to differentiate between them. They are a completely separate set of symbols from the *ori* symbols.

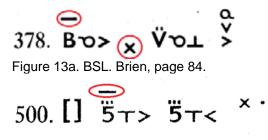


Figure 13b. BSL. Brien, page 97.

3.7. Movement (sig)

sig symbols describe the "sign action" or movement the hands make.

Depending on the language usage, sig symbol rendering can be quite complicated.

In this first example one can see that when there is just one *sig* the preferred position is superscripted:

145. Ø 501 , 501

Figure 14. BSL. Brien, page 38

A *sig* symbol under another (vertically) indicates simultaneous motions. Stokoe himself (in the 1965 ASL dictionary) only used two symbols vertically (with the exception of the dot above diacritical mark, which will be discussed later). BSL can have at least eight sigs stacked vertically.

) Ё́т([№]) С Ё́тЁ́т([®])

Figure 15. ASL, page 174

A *sig* symbol to the right of another (horizontal) indicates successive motions: the movements happen one after another (starting with the left-most symbol). Radutzky (LIS) only uses horizontal sigs (with the exception of the dot above diacritical mark) with somewhat different meaning. See section on compound signs for further description of how she uses *sig* symbols.

Figure 16. LIS. Radutzky, page 32

As mentioned earlier, Tang uses *sig* symbols in her handshape photographs.

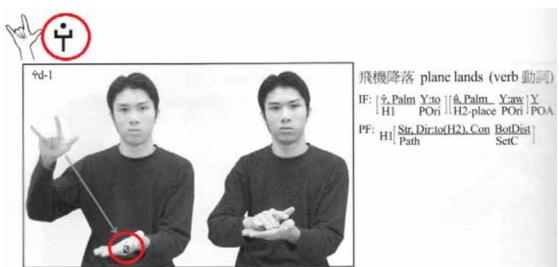


Figure 17. Horn handshape and neutral space sig. HKSL. Tang, page 358



Figure 18. circle sig. HKSL. Tang, page 216

3.7.1. Special movement symbols

Some movement symbols (sig) deserve special mention.

A single dot diacritic (indicates the movement is sharp) can occur above the *sig*. It will always appear at the top of a set of *sig* symbols, never within.

429. J GO> x ATAR

Figure 19. BSL. Brien, page 90

A single dot placed to the right of a *sig* indicates the movement is repeated. This will always be to the right of the *sig* and never between vertical sigs. The dot is always to the right of whichever movement is repeated. If the whole thing was repeated many times the movements would be bracketed and the dot placed outside of the bracket (see Figure 29).

424. ∩ **јв**т∧ јвт∧

Figure 20. BSL. Brien, page 90

If there are two dots it means the action is repeated more than once or is continuous. Rather than encoding another character, we suggest just using STOKOE MODIFIER MOVEMENT-REPEATED two times in order to indicate is repeated more than once or is continuous.

B>∧B<∧ ^ ⁽ Figure 21. LIS. Radutzky, 87.2

Another sig that deserves special mention is STOKOE MODIFIER MOVEMENT-ALTERNATE. This indicates that the sig action of the hands in a double-dez sign is done first by one then by the other. This sig is always to the right of another sig (except when there is also a STOKOE MODIFIER MOVEMENT-REPEATED – that is always furthest right).

360. Ø Ğın Ğin (İ

Figure 22. BSL. Brien, page 82

BSL uses two others, STOKOE MODIFIER MOVEMENT-SHORT and STOKOE MODIFIER MOVEMENT-SHORT AND SHARP. These are also always above the sig.

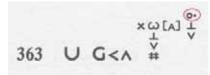


Figure 23. BSL. Brien, page 9

3.7.2. Complexities of sig

Finally, we wish to demonstrate some of the complexities of the sig. While the symbol set itself is fairly defined, the rendering is not.

This example demonstrates the use of two simultaneous sigs at one time with three successive sigs.

29. H A>v , A<v

Figure 24. BSL. Brien, page 22

However, this is not the limit. Here we see eight simultaneous sig symbols with one being repeated.

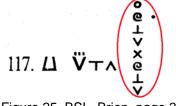


Figure 25. BSL. Brien, page 33

Another example shows multiple simultaneous and successive sigs:



In the example below, one can see that the first sig is in a superscript position, the second sig is next to it (horizontally) with the simultaneous sig underneath it and it is repeated. Simultaneous action is underneath the relevant sig.



Figure 27. ASL, page 36

Next we will see that handshape symbols (dez) can be used in the sig. These are within square brackets.

397. ⊂ Ĝ⊥∧ Ĝ⊥∧ ^р

Figure 28. BSL. Brien, page 86

Handshapes [HS] are used in sigs and we need to decide how (or whether) they should be encoded.

Action 1e: Handshapes (dez) within sig (superscripted within brackets) – should these be encoded again or let smart rendering handle it? (I feel these should not be reencoded. I believe that when Handshapes and Combining Marks are between STOKOE MODIFIER MOVEMENT-LEFT/RIGHT SQUARE BRACKET they should resize to match the *sig* characters.)

There are stretchable parentheses. Within the double *dez* signs section of any handshape, signs which have a secondary location (that is, signs which behave like manual tab signs but must be held or moved in a particular location) are placed at the end of the handshape section. These signs are distinguished by brackets separating the secondary location symbol from the rest of the notation.

It is clear that the *sigs* are complicated and they are most complicated in the BSL usage.

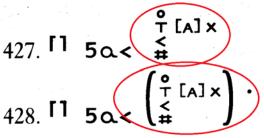


Figure 29. BSL. Brien, page 90.

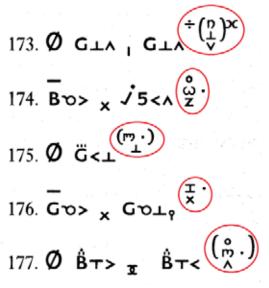


Figure 30. BSL. Brien, page 42.

3.8. Compound Signs

Next, we come to two compound signs. STOKOE DIVIDER-HANDSHAPE separates the components of a two-part sign (where there is a handshape change).

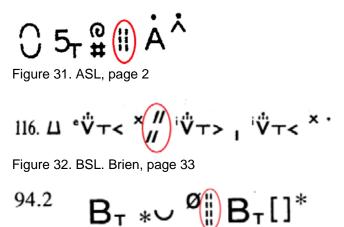


Figure 33. LIS. Radutzky, 94.2

In Italian Sign Language, the (horizontal) sigs are simultaneous. However, there must still be a way to indicate successive (or sequential) movements, especially where the point of contact is in a different position. Instead of stacking the sigs vertically as ASL and BSL do, LIS uses STOKOE DIVIDER-MOVEMENT to indicate sequential movements (Radutzky, page 28 and 31).

Ĉ > ∉ 5 < N °€v⊗ 586.3

Figure 34. LIS. Radutzky, page 2

There are other "divider" symbols that still need evaluation: /, +, :, [,], (,). While they look like regular punctuation they do serve another semantic purpose and will need careful review as the proposal is developed.

3.9. Other

Other arrows and graphical symbols will be addressed later with the Stokoe Notation community.

3.10. Shaping and Control Codes

At the moment, our current thinking is that each *sig* would start at the top and the next sig would appear below.

Figure 35. BSL. Brien, page 24.

The sig in Figure 35 would then be encoded as:

Ø	+	্ব	+	•	+	\perp	+	V
E542		E5A9		E5AA		E535		E532

E5A9 and E5AA are stored after E542 because the alternating and repeating movement are always to the right side of the sig.

Next, at least three control codes will be needed. When you want the next *sig* to appear in the next column, you would use a "then" statement. An "open" and "close" would be used for when the *sigs* are tied together with stretchy parentheses.

```
    □ E5F7 STOKOE CONTROL OPEN
    □ E5F8 STOKOE CONTROL THEN
    □ E5F9 STOKOE CONTROL CLOSE
```

168. 11 ALA ALA

The above example (*sig* part) would be encoded as:

\wedge	+	Х	+	\wedge	+	्	+	Τ/	+	\perp	+	\vee	+	े
E531		E522		E531		E5A6		E5F8		E535		E532		E5A7

E5A6 (short) and E5A7 (sharp) are stored at the end of the simultaneous column of sigs because they refer to the action as a whole.

This system is essential for BSL. It makes it a bit more tedious for other Stokoe Notations that do not require shaping. For example, since LIS uses the *sigs* horizontally and not vertically, it would require the use of the "then" in between every *sig*.

Next we will show several more complex examples followed by the suggested storage:

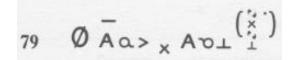


Figure 37. BSL. Brien, page 162

0(+	67	+	े•	+	Х	+	69	+	C)	+	\bot
E5F7		E541		E5AA		E522		E541		E5F9		E535

Figure 38. BSL. Brien, page 166



Figure 39. BSL. Brien, page 166

О(C) 6 Ζ \bot \vee Х ω ~ •

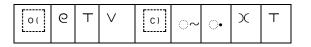
105 \mathcal{O} AT> AT< $\frac{1}{2}$ GO> VTV; $\frac{\binom{n}{2}}{2}$

Figure 40. BSL. Brien, page 170

---ိ Т/ 0(ŋ Q \bot < C) >V



Figure 41. BSL. Brien, page 172



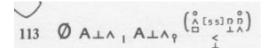


Figure 42. BSL. Brien, page 174

A great deal more work will need to be invested in this proposal to see if this scheme will work in all cases. There are some complicated BSL entries which may not fit the model. This will have to be further investigated.

It is likely that STOKOE CONTROL THEN will also work for the SS and DSE *ori* symbols, however, we have not looked into that yet as both communities have indicated they don't believe they are using Stokoe Notation. This will have to be researched further.

4. Sorting/Collation

We will not address this until other issues (such as unification) have been decided.

5. Confusability

We have attempted to indicate all characters that could be considered similar within the names list. There is no intention to use Stokoe Notation for IDN.

6. Appendix A: Charts from Dictionaries

1.2 Table of symbols used for writing the signs of the American sign language

Tab symbols

- 1. Ø zero, the neutral place where the hands move, in contrast with all places below
- 2. C face or whole head
- 3. ^ forehead or brow, upper face
- 4. 4 mid-face, the eye and nose region
- 5. U chin, lower face
- 6. 3 cheek, temple, ear, side-face
- 7. ∏ neck
- 8. [] trunk, body from shoulders to hips
- 9. \ upper arm
- 10. ✓ elbow, forearm
- 11. a wrist, arm in supinated position (on its back)
- 12. D wrist, arm in pronated position (face down)

Figure A1. ASL. Stokoe 1965, page x

Dez symbols, some also used as tab

- 13. A compact hand, fist; may be like 'a', 's', or 't' of manual alphabet
- 14. B flat hand
- 15. 5 spread hand; fingers and thumb spread like '5' of manual numeration
- 16. C curved hand; may be like 'c' or more open
- 17. E contracted hand; like 'e' or more clawlike
- F "three-ring" hand; from spread hand, thumb and index finger touch or cross
- 19. G index hand; like 'g' or sometimes like 'd'; index finger points from fist
- 20. H index and second finger, side by side, extended
- 21. I "pinkie" hand; little finger extended from compact hand
- 22. K like G except that thumb touches middle phalanx of second finger; like 'k' and 'p' of manual alphabet
- 23. ∟ angle hand; thumb, index finger in right angle, other fingers usually bent into palm
- 24. 3 "cock" hand; thumb and first two fingers spread, like
 '3' of manual numeration
- 25. O tapered hand; fingers curved and squeezed together over thumb; may be like 'o' of manual alphabet
- 26. R "warding off" hand; second finger crossed over index finger, like 'r' of manual alphabet
- V "victory" hand; index and second fingers extended and spread apart
- W three-finger hand; thumb and little finger touch, others extended spread
- X hook hand; index finger bent in hook from fist, thumb tip may touch fingertip
- 30. Y "horns" hand; thumb and little finger spread out extended from fist; or index finger and little finger extended, parallel
- 31. 8 (allocheric variant of Y); second finger bent in from spread hand, thumb may touch fingertip

Figure A2. ASL. Stokoe 1965, page xi

Sig symbols

		•
32;	^	upward movement
33.	~	downward movement > vertical action
34.	N	up-and-down movement
35.	>	rightward movement
36.	<	
37.	z	side to side movement
38.	т	movement toward signer
39.	Ŧ	5
40.	I	to-and-fro movement
41.	a	supinating rotation (palm up)
42.	υ	pronating rotation (palm down) > rotary action
43.	ω	twisting movement
44.	σ	nodding or bending action
45.		opening action (final dez configuration shown in brackets)
46.	#	closing action (final dez configuration shown in brackets)
47.	٤	wiggling action of fingers
48.	0	circular action
49.)(convergent action, approach
50.	×	contactual action, touch
51.	I	linking action, grasp
52.	+	crossing action interaction
53,	•	entering action
54.		divergent action, separate
55.	0	interchanging action

Figure A3. ASL. Stokoe 1965, page xii

A Table of Symbols for Writing American Sign Language Signs (May be adapted and expanded for signs of other sign languages) from SIGN LANGUAGE STRUCTURE, by William C. Stokoe. 1978. \$3.50. Linstok Press, 9306 Silver Spring, MD, 20901. ISBN 0-932130-03-8.

Manually produced signs of American Sign Language are written, first with a tab symbol to show where the sign action occurs:

- Ø in front of signer's body
- G face or head region
- forehead or top of head
- 11 mid-face, nose, eyes
- ∪ chin, lower face
- 3 cheek, side of face, ear
- II neck, throat
- [] trunk (shoulders to hips)
- \ upper arm
- ✓ forearm, elbow
- a back of hand, wrist
- D inside of wrist

Next with a dez symbol for the handshape, and attitude*, of what acts:

- A closed hand
- A thumb extended hand
- B flat hand
- B bent hand
- 5 fully spread hand
- C. curved hand
- E retracted hand
- F loop and 3/finger hand
- G index finger hand
- H double finger hand
- I little finger (pinkie) hand
- K 'k' hand of fingerspelling
- L angle hand, thumb & index
- 3 thumb & 1st 2 fingers spread
- M similar to Bor O
- R 2nd finger crosses index
- V 'victory' hand, spread
- W 3 fingers spread, thumb on pinkie
- X index finger bent
- Y 'y' hand of fingerspelling
- 8 mid-finger in from spread hand

Figure A4 ASL. Stokoe 1979, inside front cover

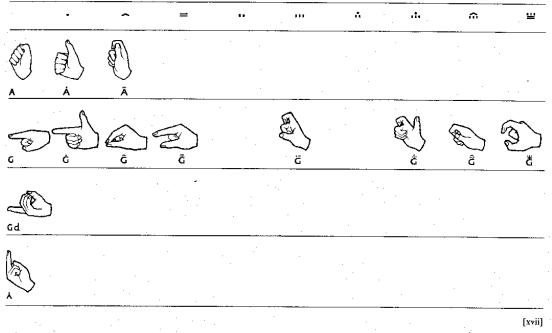
Then with one or more sig symbols to show the sign action: Motion

- ^ up
- ✓ down
- N up & down
- > rightward
- < leftward
- z side to side
- T toward signer
- ⊥ away from signer
- I to & fro
- [®] in a circle
- Internal (hand or finger)
 - " bend
 - 2 wiggle
 - open
 - close

Interaction: hand w/ hand or body

- × approach
- × touch
- link or grasp
- cross
- enter
- + separate
- ^o interchange
- ~ alternate
- * Subscripts show how dez (D) is held:
 - Da supine (palm up or back)
 - Do pronated (palm down or out)
 - JD forearm near vertical
 - De salient finger to left
- Diacritics show detail of actions
 - * sharp upward motion
 - × " repeated touching action

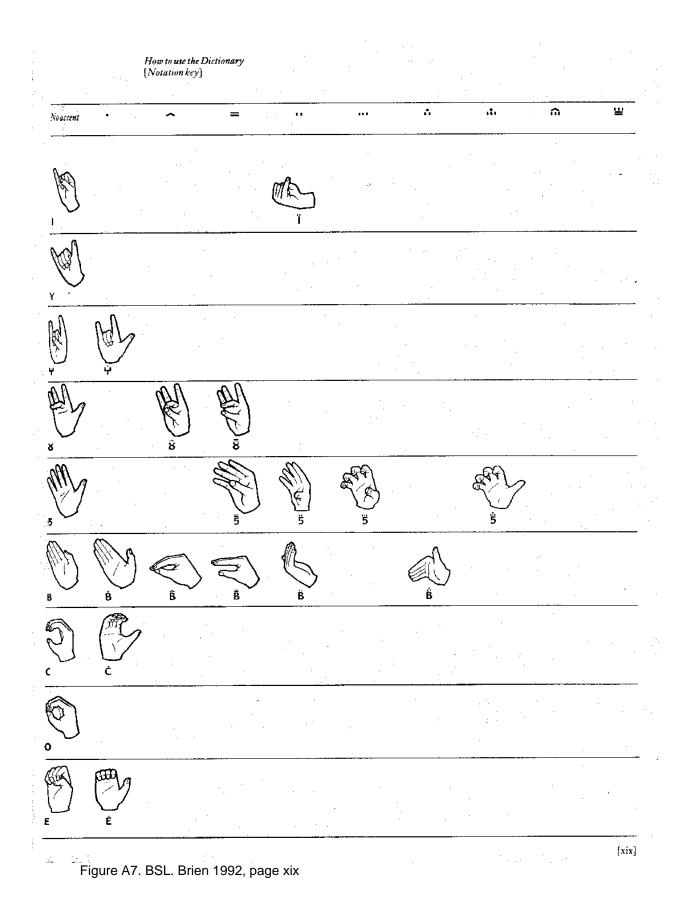
© 1978, Linstok Press, Inc.





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e)			· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			
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A Contraction	<pre> </pre>		₹ *	¢.	~			*		¢.
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Figure A6 BSL. Brien 1992, page xviii



How to use the Dictionary [Notation key]

The second group of symbols are used to show the *place (tab)* where the sign is made. Again, we have tried to list these symbols in a logical order. The order begins with the 'neutral space' in front of the signer's body, and then moves generally from the top of the head downwards. The list ends with the symbols relating to the arms and legs.

Location			а. С. т. с.		
Ø	neutral space in front of the body	. []	chest	>[left side of the body
7	top of the head	°[]	left side of thechest]<	right side of the body
n	upper face	[]*	right side of the chest	IJ	lower trunk
0	whole face	n	front of the shoulders	۲ ۱	left side of the lower trunk
ц	cyć	řĭ	on the shoulders	. u [.]	right side of the lower trun k
ы	nosc	· ň	on the left shoulder	1	upper arm
з	cheek	ň	on the right shoulder	. <i>i</i>	elbow
5	ear	זיז'	both sides of the upper trunk	Ĵ	lower arm
0	mouth and lips	רז^	left of the upper trunk	a	inside of the wrist
υ	lower face or chin	L J <	right of the upper trunk	σ	back of the wrist
<u>с</u>	under the chin	Ţ	left side of the chest	H	hip
π	throat or neck]	right side of the chest	!	upper leg

The next group of symbols (called *ori* symbols) give *orientation* information, telling you about the way the handshape is held. First they tell you about the direction the palm is facing: it may be facing up or down, and so on. Then they tell you in which direction the fingers are pointing. To check this, you must imagine the hand opened flat: the direction the fingers point now is what is recorded in the notation. Remember that all notations are written from the signer's own point of view, not from the point of view of another person: when the symbol says 'right', for instance, it means 'to the signer's right'.

Palm ori	ientation					· · ·	
<u>a</u>	up	· T	towards the signer		<	left	
or.	down	 · т	away from the signer	а. Се	>	right	
Finger 6	orientation	 	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	
A	up	T	towards the signer		<	left	
¥	down	Т	away from the signer	·	>	right	
						· · · ·	
[x x]			<u> </u>				. •

Figure A8. BSL. Brien 1992, page xx

	How to use the Dictiona					
	[Notation key]					
			· · ·			
l'his se	t of symbols tell you about the arrangen	nent of th	e hands: side			
iy side alled i	, one above the other, and so on. These ha symbols) do not have one fixed plac	e in the	notation as a			
whole,	so you have to look out for them carefully	·				•
		·				
land a	rrangement			·	, .	-
			``````````````````````````````````	•		
•	the right hand is held higher than	×	contacting each other	x	interlinking	
	the left hand	9	nearer the body (the hand	۲	one inside the oth	er
7	the left hand is held higher than		notated immediately to the left of	Ť	crossed over	
	the right hand		this symbol is held nearer to the		• . •	
	side by side		body than the other hand)			
e 'hann	xt group of symbols tell you what move	mentthe	hands make			· ·
	ber that these symbols (called sig symbol					
ening	from the signer's own point of view. Not	ice that a	nymovement		•	
an be 1	epeated: if this happens, the notation has	s a small o	iot beside the			1. A.
nove <del>n</del> hat the	ent symbols (a small dot <i>above</i> the move movement is sharp).	ementsy	moors means			
	p,		· · · · · · · · · · · · · · · · · · ·			
lovem	ent				•	÷ .
	nomovement	o	enter		open	
	nomovement up	ର <del>୮</del>	enter cross	п #	open close	
					-	
	up		cross		close	· ·
	up down up and down	Ŧ 4	cross change places		close short movement	ovement
-	up down up and down towards the signer	+ 14 0	cross change places move in a circle		close short movement sharp movement short and sharp m	lovement losing or opening
-	up down up and down towards the signer away from the signer	т 4 е Х	cross change places move in a circle touch	0- 0-	close short movement sharp movement short and sharp m	losing or opening
	up down up and down towards the signer away from the signer towards and away from the signer	τ 4 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	cross change places move in a circle touch twist at the wrist palm facing up	# ° • []	close short movement sharp movement short and sharp m handshape after c alternating move	losing or opening ments
	up down up and down towards the signer away from the signer towards and away from the signer left	т е х С о о	cross change places move in a circle touch twist at the wrist palm facing up palm facing down	# ° • []	close short movement sharp movement short and sharp m handshape after c alternating movem	losing or opening ments ent (this symbol i
-	up down up and down towards the signer away from the signer towards and away from the signer left right	т е х с о л	cross change places move in a circle touch twist at the wrist palm facing up palm facing down bend at the wrist	# ° • []	close short movement sharp movement short and sharp m handshape after c alternating movem repeated movem always placed bes	losing or opening ments ent (this symbol i side the symbols(s
-	up down up and down towards the signer away from the signer towards and away from the signer left right from side to side	т е х с п т	cross change places move in a circle touch twist at the wrist palm facing up palm facing down bend at the wrist bend at the paim knuckles	# ° • []	close short movement sharp movement short and sharp m handshape after c alternating move repeated movem always placed bes indicating the m	losing or opening ments ent (this symbol i side the symbols(s
- - - - - - - -	up down up and down towards the signer away from the signer towards and away from the signer left right from side to side away from each other	т. 4 х. 0,0 п. п.	cross change places move in a circle touch twist at the wrist palm facing up palm facing down bend at the wrist bend at the paim knuckles flex at the knuckles	# ° • []	close short movement sharp movement short and sharp m handshape after c alternating movem repeated movem always placed bes	losing or opening ments ent (this symbol i side the symbols(s
- - - - - - -	up down up and down towards the signer away from the signer towards and away from the signer left right from side to side away from each other towards each other	т., е x W a D n m m e	cross change places move in a circle touch twist at the wrist palm facing up palm facing down bend at the wrist bend at the paim knuckles flex at the knuckles wiggle	# ° • []	close short movement sharp movement short and sharp m handshape after c alternating move repeated movem always placed bes indicating the m	losing or opening ments ent (this symbol is side the symbols(s
3 / / / / ⊑ ⊑ ⊆ ⊆ ⊆ ⊆ ⊆ ⊆ ⊆ ⊆ ⊆ ⊆ ⊆ ⊆ ⊆ ⊆ ⊆	up down up and down towards the signer away from the signer towards and away from the signer left right from side to side away from each other	т. 4 х. 0,0 п. п.	cross change places move in a circle touch twist at the wrist palm facing up palm facing down bend at the wrist bend at the paim knuckles flex at the knuckles	# ° • []	close short movement sharp movement short and sharp m handshape after c alternating move repeated movem always placed bes indicating the m	losing or opening ments ent (this symbol is side the symbols(s
- - - - - - - - -	up down up and down towards the signer away from the signer towards and away from the signer left right from side to side away from each other towards each other join together	т, е х ω α ο п п п ε η	cross change places move in a circle touch twist at the wrist palm facing up palm facing down bend at the wrist bend at the palm knuckles flex at the knuckles wiggle the thumb rubs across the fingers	# ° • []	close short movement sharp movement short and sharp m handshape after c alternating move repeated movem always placed bes indicating the m	losing or opening ments ent (this symbol is side the symbols(s
r ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	up down up and down towards the signer away from the signer towards and away from the signer left right from side to side away from each other towards each other join together mes we need more precisely to make clear and is involved in a sign (for instance, wh	τ which price finge	cross change places move in a circle touch twist at the wrist palm facing up palm facing down bend at the wrist bend at the paim knuckles flex at the knuckles wiggle the thumb rubs across the fingers	# ° • []	close short movement sharp movement short and sharp m handshape after c alternating move repeated movem always placed bes indicating the m	losing or opening ments ent (this symbol i side the symbols(s
f c c c c f c f the h sther p	up down up and down towards the signer away from the signer towards and away from the signer left right from side to side away from each other towards each other join together mes we need more precisely to make clea and is involved in a sign (for instance, wh art of the body). The last set of symbols	τ which price finge	cross change places move in a circle touch twist at the wrist palm facing up palm facing down bend at the wrist bend at the paim knuckles flex at the knuckles wiggle the thumb rubs across the fingers	# ° • []	close short movement sharp movement short and sharp m handshape after c alternating move repeated movem always placed bes indicating the m	losing or opening ments ent (this symbol i side the symbols(s
f c c c c f c f the h sther p	up down up and down towards the signer away from the signer towards and away from the signer left right from side to side away from each other towards each other join together mes we need more precisely to make clear and is involved in a sign (for instance, wh	τ which price finge	cross change places move in a circle touch twist at the wrist palm facing up palm facing down bend at the wrist bend at the paim knuckles flex at the knuckles wiggle the thumb rubs across the fingers	# ° • []	close short movement sharp movement short and sharp m handshape after c alternating move repeated movem always placed bes indicating the m	losing or opening ments ent (this symbol i side the symbols(s
- 	up down up and down towards the signer away from the signer towards and away from the signer left right from side to side away from each other towards each other join together mes we need more precisely to make clea and is involved in a sign (for instance, wh art of the body). The last set of symbols	τ which price finge	cross change places move in a circle touch twist at the wrist palm facing up palm facing down bend at the wrist bend at the paim knuckles flex at the knuckles wiggle the thumb rubs across the fingers	# ° • []	close short movement sharp movement short and sharp m handshape after c alternating move repeated movem always placed bes indicating the m	losing or opening ments ent (this symbol i side the symbols(s
- 	up down up and down towards the signer away from the signer towards and away from the signer left right from side to side away from each other towards each other join together mes we need more precisely to make clear and is involved in a sign (for instance, wh art of the body). The last set of symbols arts of the hand.	τ which price finge	cross change places move in a circle touch twist at the wrist palm facing up palm facing down bend at the wrist bend at the palm knuckles flex at the knuckles wiggle the thumb rubs across the fingers articular part tr touches an- how we show	# ° • []	close short movement sharp movement short and sharp m handshape after c alternating move repeated movem always placed bes indicating the m	losing or opening ments ent (this symbol i side the symbols(s
- 	up down up and down towards the signer away from the signer towards and away from the signer left right from side to side away from each other towards each other join together mes we need more precisely to make clear and is involved in a sign (for instance, wh art of the body). The last set of symbols arts of the hand.	τ which finge tell you	cross change places move in a circle touch twist at the wrist palm facing up palm facing down bend at the wrist bend at the paim knuckles flex at the knuckles wiggle the thumb rubs across the fingers marticular part er touches an- how we show	# ° • []	close short movement sharp movement short and sharp m handshape after c alternating move repeated movem always placed bes indicating the m	losing or opening ments ent (this symbol i side the symbols(s
	up down up and down towards the signer away from the signer towards and away from the signer left right from side to side away from each other towards each other join together mes we need more precisely to make clear and is involved in a sign (for instance, wh art of the body). The last set of symbols arts of the hand. <i>Fihe hand</i>	τ which provide the second s	cross change places move in a circle touch twist at the wrist palm facing up palm facing down bend at the wrist bend at the paim knuckles flex at the knuckles wiggle the thumb rubs across the fingers articular part er touches an- how we show	# ° • []	close short movement sharp movement short and sharp m handshape after c alternating move repeated movem always placed bes indicating the m	losing or opening ments ent (this symbol i side the symbols(s
	up down up and down towards the signer away from the signer towards and away from the signer left right from side to side away from each other towards each other join together mes we need more precisely to make clear and is involved in a sign (for instance, wh art of the body). The last set of symbols arts of the hand. <i>Fihe hand</i> thumb index finger middle finger	τ which p nich finge tell you	cross change places move in a circle touch twist at the wrist palm facing up palm facing down bend at the wrist bend at the paim knuckles flex at the knuckles wiggle the thumb rubs across the fingers articular part er touches an- how we show	# ° • []	close short movement sharp movement short and sharp m handshape after c alternating move repeated movem always placed bes indicating the m	losing or opening ments ent (this symbol i side the symbols(s
	up down up and down towards the signer away from the signer towards and away from the signer left right from side to side away from each other towards each other join together mes we need more precisely to make clear and is involved in a sign (for instance, wh art of the body). The last set of symbols arts of the hand. <i>Fibe hand</i> thumb index finger middle finger ring finger	τ which provide the second s	cross change places move in a circle touch twist at the wrist palm facing up palm facing down bend at the wrist bend at the paim knuckles flex at the knuckles wiggle the thumb rubs across the fingers articular part er touches an- how we show	# ° • []	close short movement sharp movement short and sharp m handshape after c alternating move repeated movem always placed bes indicating the m	losing or opening ments ent (this symbol i side the symbols(s
r c c c c c c c c c c c c c c c c c c c	up down up and down towards the signer away from the signer towards and away from the signer left right from side to side away from each other towards each other join together mes we need more precisely to make clear and is involved in a sign (for instance, wh art of the body). The last set of symbols arts of the hand. <i>Fihe hand</i> thumb index finger middle finger	τ which p nich finge tell you	cross change places move in a circle touch twist at the wrist palm facing up palm facing down bend at the wrist bend at the paim knuckles flex at the knuckles wiggle the thumb rubs across the fingers articular part er touches an- how we show	# ° • []	close short movement sharp movement short and sharp m handshape after c alternating move repeated movem always placed bes indicating the m	losing or opening ments ent (this symbol i side the symbols(s
Gometi Gometi fthe h hese p Parts of	up down up and down towards the signer away from the signer towards and away from the signer left right from side to side away from each other towards each other join together mes we need more precisely to make clear and is involved in a sign (for instance, wh art of the body). The last set of symbols arts of the hand. <i>Fibe hand</i> thumb index finger middle finger ring finger	τ which p nich finge tell you	cross change places move in a circle touch twist at the wrist palm facing up palm facing down bend at the wrist bend at the paim knuckles flex at the knuckles wiggle the thumb rubs across the fingers articular part er touches an- how we show	# ° • []	close short movement sharp movement short and sharp m handshape after c alternating move repeated movem always placed bes indicating the m	losing or opening ments ent (this symbol i side the symbols(s
	up down up and down towards the signer away from the signer towards and away from the signer left right from side to side away from each other towards each other join together mes we need more precisely to make clear and is involved in a sign (for instance, wh art of the body). The last set of symbols arts of the hand. <i>Fibe hand</i> thumb index finger middle finger ring finger	τ which p nich finge tell you	cross change places move in a circle touch twist at the wrist palm facing up palm facing down bend at the wrist bend at the paim knuckles flex at the knuckles wiggle the thumb rubs across the fingers articular part er touches an- how we show	# ° • []	close short movement sharp movement short and sharp m handshape after c alternating move repeated movem always placed bes indicating the m	losing or opening

Figure A9. BSL. Brien 1992, page xxi

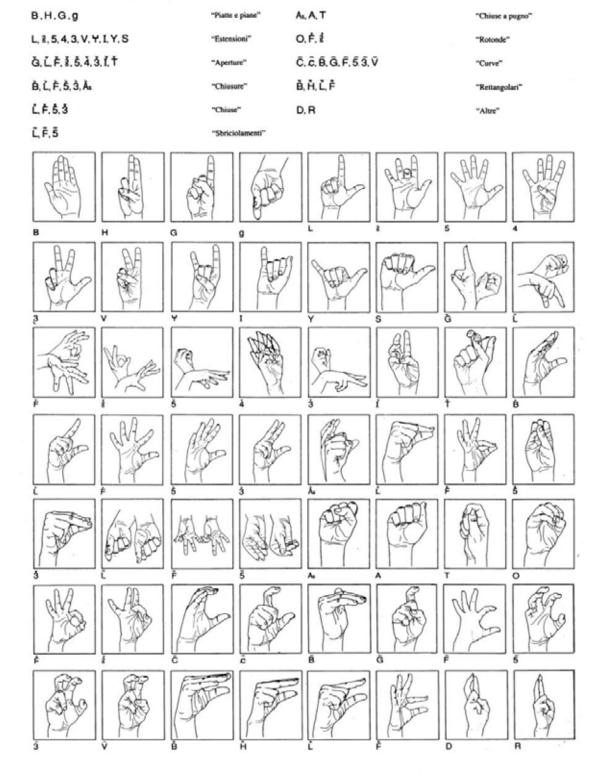


Figure A10. LIS. Radutzky 1992, Chart front

CONFIGURAZIONI (TAVOLA I)

#### LUOGO (TAVOLA 2)

nco superiore
eriore e anca
dominante
tro

#### MOVIMENTO (TAVOLA 3)

ø	nessuno o neutro	2	arco concavo in senso antiorario sul piano orizzontale	х	avvicinamento
A ·	verso l'alto	2	arco convesso in senso orario sul piano verticale	÷	divisione
v	verso il basso	e	arco convesso in senso antiorario sul piano verticale	+	incrocio
N	continuo su e giù	e	arco concavo in senso orario sul piano verticale	X	intreccio e afferramento
>	verso destra	2	arco concavo in senso antiorario sul piano verticale	0	inserimento
<	verso sinistra	ω	torsione dell'avambraccio e del polso	69	scambio
z	continuo a destra e a sinistra	2	piegamento del polso in avanti		
т	verso il segnante	ç	piegamento del polso all'indietro		
	verso l'avanti		piegamento laterale del polso	Aggett	ivi di movimento ripetuto una volta
r	continuo avanti e indietro		piegamento alle nocche	-	continuo
æ	arco convesso in senso orario sul piano frontale	r	piegamento alle giunture intercarpali	~	alternato
6	arco convesso in senso antiorario sul piano frontale		chiusura della mano e/o delle dita	1	sequenziale delle dita
e .	arco concavo in senso orario sul piano frontale	0	apertura della mano e/o delle dita	5	lento
	arco concavo in senso antiorario sul piano frontale		andamento ondulatorio e di tamburellamento		teso
~	arco convesso in senso orario sul piano orizzontale	-	sbriciolamento		estensione del gomito
6	arco convesso in senso antiorario sul piano orizzontale	×	contatto delle mani		tenuto
e.	arco concavo in senso orario sul piano orizzontale	*	contatto delle dita		

#### POSIZIONE DELLA MANO O DELLE MANI (TAVOLA 4)

Ories	stamento del palmo e direzione del metacarpo	Posiz	ione nello spazio delle mani in segni a due mani		
٨	verso l'alto		una mano vicina all'altra		
v	verso il basso	+	una mano lontana dall'altra		
>	verso destra	*	mano destra sopra quella sinistra		
<	verso sinistra	â	mano sinistra sopra quella destra		
т	verso il segnante	8	mano sinistra davanti alla destra		
	verso l'avanti	Ŷ	mano destra davanti alla sinistra		
		×	contatto delle mani		
			contatto delle dita		
		+	mani incrociate		
Posia	tione di una o due mani rispetto al luogo	X mani intrecciate e afferrate			
×	contatto della mano con una parte del corpo	0	una mano dentro l'altra		
	contatto delle dita con una parte del corpo	gd	contatto con gomito dominante		

#### ERRATA CORRIGE: Il disegno n. 800.2 è stato invertito con il n. 801.3

Figure A11. LIS. Radutzky 1992, Chart back

#### 6. Graphical presentations

The photos are boxed or partitioned if necessary to indicate the number of signs required for each lexical entry. Each box contains one sign. There is artwork such as lines, arrows, and symbols on the images to facilitate the reader's comprehension of the articulation process. The graphical details are largely the effort of Brien (1992):

	Table 1. Graphical representations
	A single unidirectional movement. The direction of the solid arrowhead indicates the movement direction, which can be upward, downward, leftward or rightward.
$\rightarrow$	A single unidirectional movement. The direction of the lined arrowhead indicates the movement direction, which can be towards or away from the signer.
$\leftrightarrow$	A single bidirectional movement. The directions of the solid arrowheads indicate the movement directions, which can be upward and downward, or leftward and rightward.
$\longleftrightarrow$	A single bidirectional movement. The directions of the lined arrowheads indicate the movement directions, which can be towards and away from the signer.
0	The lines reflect the abstract movement shapes which may be straight, circular or are.
<b>→</b>	A repeated unidirectional movement
<b>↔→→</b>	A repeated bidirectional movement
<u>(2)</u> >>>	A movement with a fixed number of repetitions
<b>→</b>	A movement ending with a tense hold
	More than one movement type is produced simultaneously.

[5]

Figure A12. HKSL. Tang 2007, page 5. List of graphical presentations 1.

1 2	Movements in sequence
~	Alternating movement
Ø	Stationary or motionless hand
. 🛛	Continuous contact in movement
X	Contact halfway or at the end of movement
נייו	Rubbing (Thumb rubs the pad of the selected fingers)
נייז	Hooking (Flexion of the non-base joints)
m	Flattening (Flexion of the base joints)
٩	Wiggling (Selected fingers flex and extend at the base joints)
a	Nodding (Flexion of the wrist joint)
ω	Twisting (Rotation of the forearm)
M	Tremoring (Selected finger(s) waver(s) and contact(s) the place of articulation)
e	Radial/Ulnar flexion of the wrist joint
× ×	Release (Selected fingers open, subject to the direction of the arrowhead)
$\rightarrow$	Close (Selected fingers close, subject to the direction of the arrowhead)

Figure A13. HKSL. Tang 2007, page 5. List of graphical presentations 1.

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R								
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A K								
YY								
<b>F F</b>	やや				\$ <b>î</b>			
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n B								
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₩ 4								
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₹\C	Ϋċ							
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the second se								

Table 1. Handshapes and symbols

Figure A14. HKSL. Tang 2007, page 24. List of handshapes.

		and the state of
artikulationsställe	artikulator	artikulation
LÄGE	HANDFORM	RÖRELSERIKTNING
ansiktet ()	flata handen 🚽	vänster 🗧 🗧
övre ansiktet 👖	S-handen S	höger 🗕 🗕
nedre ansiktet Ü	spretade handen $\stackrel{\scriptstyle +}{=}$	vänster-höger ↔
hjässan 🦳	klohanden ∑	fram 🕈
pannan 🕤	vinklade handen $\Lambda$	in ∔
örat }	slutna handen – A	fram-in 😫
kinden )	O-handen O	upp A
näsan e	knutna handen G	ner v
munnen c	pekfingret	upp-ner 📈
hakan u	N-handen N	
halsen o	V-handen V	RÖRELSEART
vänster axel 🗆 🗆	krokfingret 🦯	slās 😡
höger axel n	dubbelkroken $\Lambda$	vrides $\sim$
bröstet []	tummen B	spelar 🚜
vänster sida [	lillfingret [	båge 🦳
höger sida 🔡	flyghanden 🛛 🗄	cirkel O
armen <	M-handen M	förändring ⇒
magén 📖	T-handen T	-
	tupphanden ∀	INTERAKTIONSART
	måtthanden D	växelvis 😞
	nyphanden $\Delta$	konvergerande >
	stora nyphandenH	divergerande 🖌
		hakning 👦
	ATTITYDRIKTNING	mottagning e
	vänster ←	kors x
	höger →	vinkel L
	fram 1	kontakt
	in 1	upprepad kontakt •
	upp A	
	ner v	
	ATTITYDVRIDNING	
	vänster )	
	höger (	
ÖVRIGA SYMBOLER		
	in o	
upprepad rörelse :		
signemgräns /	upp -	
upprepat signem 🖊	ner 🕂	

Figure A15. SS. Bergman 1977, page 89. List of shapes.

89

# HANDFORMSORDNING

Symbol
J
J
¥
Λ
A
A
S
Σ
0
G
E
В
L
۲
4
Δ
Т
1
C
θ
R
N
Δ
V
¥
κ
Ω
A
M
W
I

Figure A16. SS. Sveriges 1998, page xix. List of handshapes.

Namn	Symbol
flyghanden	Ŧ
stora långfingret	¥
runda långfingret	Z
stora nyphanden	Н
X-handen	X

#### Attitydsymboler

attitydriktning		attitydvridning
+	vänster	)
<b>→</b>	höger	c
Ť	fram	U
t	in	^
^	upp	-
~	ner	-

Figure A17. SS. Sveriges 1998, page xx. List of handshapes (cont) and list of attitude symbols

# LÄGESORDNING

Läge	Symbol
hjässan	<u> </u>
ansiktet, i huvudhöjd	0
övre delen av ansiktet	Ο
nedre delen av ansiktet	U
pannan	~
ögonen	00
ögat	0
nāsan	Δ
sidoma av huvudet, öronen	0
sidan av huvudet, örat, höger	}
sidan av huvudet, örat, vänster	{
kinderna	0
kinden, höger	)
kinden, vänster	(
munnen	0
hakan	U
nacken	2
halsen	0
axlama	ГЛ .
axeln, höger	۲
axeln, vänster	F
armen	<
överarmen	*
underarmen	*
bröstet	[]
höger sida av bröstet	3
vänster sida av bröstet	C
magen, mellangärdet	<u>ц</u>
höfterna	LJ
höft, höger	L
höft, vänster	L

Figure A18. SS. Sveriges 1998, page xxi. List of location symbols

Läge	Symbol
benet	<b>H</b>
neutrala stället framför kroppen	ingen symbol
passiva handen som ett ställe	symbol för handform + attityd

Figure A19. SS. Sveriges 1998, page xxii. List of location symbols (cont)

# ÖVRIGA TRANSKRIPTIONSSYMBOLER

#### Rörelsesymboler

•
0
<i>←→↔</i>
†↓‡
~~~~
K-→1
**
>
<
×
63
E
۷
<u> </u>
0
ω
<u> </u>
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
17
#
⇒
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Figure A20. SS. Sveriges 1998, page xxiii. List of movement symbols

#### Relationssymboler

Symbolerna visar var den aktiva handens placering i förhållande till ett kroppsläge eller den andra handen

över		
under		
bredvid	u	
framför		
bakom		
Övriga symboler		
upprepad artikulation	:	
sekventiell artikulation		
sammansättning av två eller flera led	/	

Se Kompendium i teckentranskription (B. Bergman och T. Björkstrand), 1993 Inst. för lingvistik, Stockholms Universitet.

Figure A21. SS. Sveriges 1998, page xxiv. List of relational combining marks and other symbols

# PILAR OCH ANDRA RÖRELSESYMBOLER

Rörelse	Symbol
upprepad kontakt	M
örelse i pilens riktning	
örelse med distinkt rörelseslut	→
upprepad rörelse i pilens riktning	
rörelse fram och tillbaka, i sidled eller upp och ner	$\longleftrightarrow$
växelvisa rörelser	<b>↔</b> ₩→
bågrörelse i pilens riktning	$\sim$
etappvis förflyttning	
förflyttning med små vågrörelser eller sidledsrörelser	~~~~
förflyttning med vridrörelser	$2 \longrightarrow$
förflyttning i sick-sack	~~~~
förflyttning med upprepad handformsändring	××3
förflyttning med cirkelrörelser	চতত
cirkelrörelse	0
våxelvisa cirkelrörelser	(U)
handen vrids eller slås	2
handen vrids eller slås, upprepad rörelse	2
spelande växelvisa fingerrörelser	····
vinkande (samtidiga) fingerrörelser	3
tummen förs utmed fingrarna	<u>يته</u>

Figure A22. SS. Sveriges 1998, page xxv. List of graphical symbols

#### BIJLAGE 1 OVERZICHT VAN NOTATIE-SYMBOLEN

In deze bijlage wordt een overzicht van de verschillende soorten notatie-symbolen gegeven. Het is een samenvatting van de hoofdstukken uit deel II: bij de Palm- en Vingeroriëntatie onder andere zullen slechts enkele voorbeelden gegeven worden om het systematisch gebruik aan te duiden van de pijlen.

#### Plaats

φ	neutrale ruimte	СJ	voor de romp
С	voor het hoofd	ГЛ	voor het bovenste deel van de romp
ñ	bij de kruin		
$\sim$	voor het bovenste deel van het hoofd	L J	voor het onderste deel van de romp
	deer van nee neess	2	bij de bovenarm
5	bij het oor		bij de elleboog
25	bij de ogen	5	bij de elleboog
4	bij de neus	ъ	op de pols van de linkerhand
U	voor het onderste deel van het hoofd	ч	bij de heupen
-		٢	bij het bovenbeen
З	bij de wang	9	bij het onderbeen
Ξ	bij de mond		
Ŷ	onder de kin	14	rechts voor het voorhoofd
т	bij de hals		boven de rechter schouder

#### Handvorm

A	A-hand	ъс	baby-C-hand
S	S-hand	bC2	baby-C-twee-hand
AS	AS-hand	bC _{2spr}	baby-C-2-spreid-hand
7	geld-hand	0	0-hand
E	E-hand	ьо	baby-O-hand
El	E-één-hand	ь0 ₂	baby-O-twee-hand
с	C-hand	то	T-nul-hand
ĉ	C-nul-hand	V	dichte-snavel-hand
Cl	C-één-hand	ÞØ	baby-dichte-snavel- hand
Cspr	C-spreid-hand		hand

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Figure A23. DSE. KOMVA. 1988, page 89. List of Location and Handshapes

<b>b⊲</b> ₂	baby-dichte-sna- vel-twee-hand	v	V-klauw-hand	
		I	I-hand	
7	open-snavel-hand	L	L-hand	0
$\geq_{\rm spr}$	open-snavel- spreid-hand	Ŷ	hoorntjes-hand	
b>	baby-open- snavel-hand	Y	Y-hand	
-	baby-open-	5	5-hand	
b → 2	snave1-2-hand	5	5-klauw-hand	
т	T-hand		5-klauw-nul-hand	
openT	open-T-hand	⁵ r	5-hand met gebogen ringvinger	
Q	Q-hand	E	E-band mat contact	$\cap$
°2	Q-twee-hand	⁵ rx	5-hand met contact van ringvinger en duim	0
Q ₅	Q-vijf-hand	5m	5-hand met gebogen middelvinger	
	douche-hand		E hand and another	
$rac{1}{2}$	douche-twee-hand	⁵ mx	5-hand met contact van middelvinger en duim	
$\wedge$	bloem-hand			
в	B-hand	w W	W-hand W-klauw-hand	
B1	B-één-hand			
B	B-nul-hand	D	D-hand	
в	B-nul-nanu	F	F-hand	
ØВ	ontspannen-B-hand	к	K-hand	
-	hoek-hand	K	K Hully	
۹,	hoek-nul-hand	м	M-hand	$\cap$
	noek-nul-hand	N	N-hand	
1	één-hand	P	P-hand	
x ₁	X-één-hand			
x ₂	X-twee-hand	R	R-hand	
•		3	3-hand	
x2	X-twee-nul-hand	4	4-hand	
1 _v	één-v-hand		- mana	
U	U-hand			
Ü	U-klauw-hand			$\cap$
Ů	U-nul-hand			
v	V-hand	90		

Figure A24. DSE. KOMVA. 1988. page 90. List of Handshapes (cont.)

#### Palmoriëntatie

#### Vingeroriëntatie

1	palm naar beneden	j	vingers naar beneden
Ŷ	palm naar boven	T	vingers naar boven
4	palm naar links	60	vingers naar links
K	palm tussen naar links en naar beneden	Lª	vingers tussen naar links en naar beneden
4-	palm naar het lichaam toe	Ĵ,	vingers naar het lichaam toe
4	palm schuin van het lichaam af en naar links	Ko d	vingers schuin van het lichaam af en naar links
)⊻	palm tussen naar beneden en naar het lichaam toe	)⊮ீ	vingers tussen naar beneden en naar het lichaam toe
Bewegin	gspijlen		
$\rightarrow$	éénmaal naar rechts	5	van links naar rechts in een boog
>	tweemaal naar rechts	Ŵ	herhaalde cirkel naar rechts
-#+->	drie of meer maal naar rechts	<b>.</b>	herhaalde cirkel
<del>(m)</del>	herhaalde bewe- ging heen en weer	-0-	naar voren en naar rechts, in het horizontale vlak
AX.	schuin naar voren en naar rechts	NW)	zigzag naar voren
۵٤)	schuin naar bene- den en van het lichaam af	Ð	golf naar voren grote cirkel kleine cirkel
		0	

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Figure A25. DSE. KOMVA. 1988, page 91. List of Palm and Finger Orientations and Movement Arrows

#### Bewegingssymbolen

C	klopbeweging van- uit de pols	Ŷ	snelle, wiebelende beweging van wijs- en middelvinger
Ю	klopbeweging van- uit de knokkels	7117	duim wrijft over de top(pen) van vingers
B	klopbeweging van- uit de vinger- gewrichten		de hand opent zich
		#	de hand sluit zich
m	snelle, wiebelende beweging van de vingers	S	alternerend, snel om de beurt
15	nagel van duim wrijft krachtig langs vinger,	#	de hand sluit zich meerdere keren
	eindigt gestrekt	x	meerdere keren
×	hand maakt contact met hand of lichaam		
ω	draaiende beweging vanuit onderarm		
Combina	ties van bewegingen		
t ×	naar beneden, terwijl de hand contact maakt	\$ <del>4</del>	naar lichaam toe, tot contact
D	klopbeweging vanuit de pols, terwijl de hand opent	x')5'x	contact, naar be- neden, contact
Manier	van beweging		
g	groot	£	krachtig
k	klein	t	gespannen
s	snel	h	hold, plotseling
1	langzaam		stoppend, waarna de hand even op de- zelfde plaats blijft

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Figure A26. DSE. KOMVA. 1988. page 92. List of Motion Symbols, Combinations of movements and Manner of Motion

#### Handen ten opzichte van elkaar, bij tweehandige gebaren

	ī	1	linkerhand lager dan rechterhand	_	ŧ1	handen zijn gekruist	
	1	ī	rechterhand lager	1'	1 2 5	handen maken contact	
			dan linkerhand	5	5	handen grijpen in elkaar	
	1	1	dichtbij elkaar	o _c	в	linkerhand omvat	
9	1	1	linkerhand dich-	C	5	rechterhand	
			ter bij het lichaam	в	°c	rechterhand omvat	
	1	۹ ₁	rechterhand dich- ter bij het lichaam			linkerhand	
	De	len	van de hand:	De	len	van de vinger:	
	1		wijsvinger	a		topje van de vinger	
	2		middelvinger	ъ		bovenste kootje	
	3		ringvinger	C		topgewricht	
	4		pink	d		middelste kootje	
	5		duim	e		middelste gewricht	
	0		hand (mus of nalm)	e		andavata kaatia	

1	wijsvinger	a	topje van de vinge
2	middelvinger	b	bovenste kootje
3	ringvinger	C	topgewricht
4	pink	đ	middelste kootje
5	duim	e	middelste gewricht
6	hand (rug of palm)	f	onderste kootje
7	pols	9	onderste gewricht
8	onderste deel van de arm		

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Figure A27. DSE. KOMVA. 1988. page 93. List of Two-handed signs and Parts of the Hands and Fingers

6	vingers naar links	
5	vingers van het lichaam af	
¢eo ¢o→	vingers naar het lichaam toe	
30	vingers schuin naar boven en naar het lichaam toe	
)8	vingers schuin naar boven en van het lichaam af	
	etcetera	

Figure A28. DSE. KOMVA. 1988. More Orientation Symbols

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	E40	E41	E42	E43	E44	E45	E46	E47	E48	E49	E4A	E4B	E4C	E4D	E4E	E4F
0	<b>A</b> E400	E410	₩ E420	<b>Ø</b> E430	F440	<b>O</b> E450	<b>t</b> E460	<b>P</b> E470	<b>1</b> E480	<b>O</b> E490	Ø E4A0	<b>]</b> E4B0	E4C0	E4D0	∧	► E4F0
1	<b>B</b> E401	<b>M</b> E411	<b>A</b> E421	<b>1</b> E431	<b>A</b> E441	<b>P</b> E451	<b>V</b> E461	S	2	<b>U</b> E491	<b>—</b> E4A1		<b>O</b> E4C1	V E4D1	V E4E1	► E4F1
2	С	Ν	A	E431	E441	E431	x	E471	E481	L <b>,</b>		E4B1	00	ļ	E4E1	E4F1
3	E402	E412	E422	3	b		E462	E472	482	E492		E4B2	E4C2	E4D2		
4	E403	E413	Е423	E433	E443	S	E463	E473	E483	E493 ◆↔◆	С	E4B3	E4C3	E4D3	T	↓
5	E404	E414	E424	E434	d	E454	E464		_{Е484}	E494		E4B4	E4C4	E4D4	E4E4	E4F4
6	E405	E415	E425 ¥	E435	е445 <b>е</b>		E465		E485 <b>7</b>	E495	E4A5	E4B5	E4C5	E4D5	E4E5	E4F5 ←
7	E406	E416	Е426 <b>Ж</b>	7	E446		_{Е466}		_{Е486}	E496	E4A6	E4B6	E4C6	E4D6	E4E6	E4F6 →
8	E407	E417	Е427 <b>人</b>	E437			E467		_{Е487}	E497	E4A7	E4B7	E4C7	E4D7	E4E7	E4F7
	E408	E418	E428	E438			E468		_{Е488}	E498	E4A8	E4B8	E4C8	E4D8	E4E8	E4F8
9	▲ E409	E419	E429				_{Е469}		_{Е489} С	E499		<b>V</b> E4B9	E4C9		<u>о</u> Е4Е9	E4F9
A	<b>I</b> E40A	S E41A	E42A	<b>8</b> E43A			E46A		E48A	E49A	E4AA	E4BA	E4CA		A E4EA	
В	<b>J</b> E40B	E41B	<b>Д</b> Е42В	<b>#</b> E43B			<b>F</b> E46B		<b>d</b> E48B	<b>+</b> E49B	E4AB	Ю E4BB	P E4CB		V E4EB	
С	<b>J</b> E40C	U E41C	E42C	H E43C		m E45C	<b>X</b> E46C		е _{Е48С}	E49C	U E4AC	E4BC	E4CC	< E4DC	T E4EC	C E4FC
D	<b>1</b> E40D	<b>П</b> E41D	<b>Σ</b> E42D	E43D		<b>р</b> E45D	<b>C</b> E46D		<b>f</b> E48D		TT E4AD		 E4CD	> E4DD	L E4ED	U E4FD
Е	K	<b>A</b> E41E	<b>3</b> 5 E42E	E43E		<b>r</b> E45E	<b>N</b> E46E		<b>g</b> E48E		[ ] _{E4AE}		K E4CE	< E4DE	< E4EE	<b>)</b> E4FE
F	E40F	E41F	<b>g</b> E42F	E43F	<b>n</b> E44F	<b>S</b> E45F	<b>O</b> E46F		E48F		E 4AF		E4CF	> E4DF	> E4EF	C E4FF

	E50	E51	E52	E53	E54	E55	E56	E57	E58	E59	E5A	E5B	E5C	E5D	E5E	E5F
0	<b>\$</b>	<b></b> E510	E520	Ø E530	<b>+</b> E540	<b>m</b>	<b>L</b> E560	<b>⊼</b> E570	<b>→→</b> E580	<b>-₩→</b> E590	<b>)</b> E5A0	• E5B0	E5C0	E5D0	F2E0	O E5F0
1	€300	)	• <b> </b> •	$\wedge$	69	8	<u> </u>	¥	<del>~</del>	<del>&lt;    −</del>	Э	े		11	Ð	
2	E501	E511	E521	E531	e541	E551	E561	E571	E581	E591	E5A1	E5B1	E5C1	E5D1	E5E1	<u>E5F1</u>
	E502		E522	E532	E542	E552	E562	E572	E582	E592	E5A2	E5B2	E5C2	E5D2	ese2	E5F2
3	E503		6 E523	E533	E543	E553	E563	E573	↓ E583	↓ E593	E5A3	E5B3	E5C3	E5D3	E5E3	E5F3
4			Q E524	<b>T</b> E534	ର	<b>F</b> 554	←	E574	<b>E</b> 584	<b>E</b> 594		ं	<u></u> E5C4	E5D4	→ 	~~
5	e504		E524		e544	E554	E564 →	<u>E574</u>	<u>E584</u>	<u>K</u>		E5B4			E5E4	E5F4
6	E505 ← <b>○</b>		E525	E535	E545	E555	E565 ↔	E575	E585	E595	E5A5	E5B5 <	E5C5	E5D5	E5E5	E5F5
7	E506 →		E526	E536	E546	^{Е556}	E566 <b>←→</b>	E576	E586	E596	E5A6	E5B6	्	E5D6	E5E6 ←→	E5F6
8	E507		E527	E537	E547	E557	E567 <b>→</b> ←	E577	E587	E597	E5A7	E5B7	ESC7	E5D7	E5E7	E5F7
9	E508 ↓		E528	E538	E548	E558	E568	E578	E588 <b>←Ⅱ</b>	E598	E5A8	E5B8		E5D8	E5E8	E5F8 C)
Ũ	E509		# E529	E539	E549	E559	E569	E579	E589	E599	E5A9	E5B9		E5D9	E5E9	E5F9
А	K E50A		<b>d</b> 524	• •	О	<b>M</b> E55A	↓ E56A	E57A	<b>†</b> E58A	<b>E</b> 59A	Е5АА	E5BA		) E5DA	ESEA	
В	7		<u>s</u> d	С	ŋ	Г	\$	~	<b>‡</b>	<b>5</b>		<b>7</b>		-0-	M	
с	E50B		E52B	E53B	_{Е54В}	_{Е55В}	E56B <b>K</b> ←	E57B	E58B	E59B	E5AB	E5BB		^{E5DB} ¥	^{E5EB}	
C	E50C		<b>d</b> E52C	E53C	E54C	E55C	E56C →		E58C	E59C	E5AC	E5BC		E5DC	E5EC	
D	Sod		<b>g</b> E52D	⊙ E53D	<b>5</b>	* E55D	E56D		K E58D	<b>VI</b> E59D	] E5AD	E5BD		E5DD	E5ED	
E	←		X	$\otimes$	6	لى	₹		^×	Ţ		ि			***	
F	E50E →		E52E	E53E	е54Е М	E55E <b>E</b>	^{E56E}		E58E	E59E		E5BE			<u>E5EE</u> ठठठे	
•	E50F		<b>*</b> E52F	E53F	E54F	E55F	E56F		E58F	E59F		E5BF			E5EF	

## E400

Han	ds	hape (dez) symbols	E416	1	STOKOE HANDSHAPE-CAPITAL FLAT OPEN O
E400	Α	STOKOE HANDSHAPE-CAPITAL A	E417	Р	• SS: straight matt hand??? STOKOE HANDSHAPE-CAPITAL P
		• fist			• DSE: P-hand
E 401	-	$\rightarrow$ 0041 A latin capital letter a			$\rightarrow$ 0050 P latin capital letter p
E401	В	STOKOE HANDSHAPE-CAPITAL B	E418	Q	
		• flat hand			DSE: Q-hand
E402	C	$\rightarrow$ 0042 B latin capital letter b STOKOE HANDSHAPE-CAPITAL C			$\rightarrow$ 0051 Q latin capital letter q
L402	C	• curved hand	E419	R	
		$\rightarrow$ 0043 C latin capital letter c			• R-hand
E403	C	STOKOE HANDSHAPE-CAPITAL C WITH LEFT TAIL	E41A	c	$\rightarrow$ 0052 R latin capital letter r
		• LIS: ???	E4IA	3	STOKOE HANDSHAPE-CAPITAL S  • S-hand
E404	D	STOKOE HANDSHAPE-CAPITAL D			$\rightarrow$ 0053 S latin capital letter s
		• DSE, LIS	E41B	т	STOKOE HANDSHAPE-CAPITAL T
E 40E	-	$\rightarrow$ 0044 D latin capital letter d			• T-hand
E405	Е	STOKOE HANDSHAPE-CAPITAL E • claw hand			$\rightarrow$ 0054 T latin capital letter t
		$\rightarrow$ 0045 E latin capital letter e	E41C	U	
E406	F	STOKOE HANDSHAPE-CAPITAL F			• DSE: U-hand
2100		• F-hand	E 44 D	0	$\rightarrow$ 0055 U latin capital letter u
		$\rightarrow$ 0046 F latin capital letter f	E41D	11	STOKOE HANDSHAPE-CAPITAL TURNED U
E407	G	STOKOE HANDSHAPE-CAPITAL G	E/1E	A	• SS: double hook STOKOE HANDSHAPE-CAPITAL TURNED U BAR
		• index			• SS: bent rooster hand
= 100		$\rightarrow$ 0047 G latin capital letter g	E41F	V	STOKOE HANDSHAPE-CAPITAL V
E408	Н	STOKOE HANDSHAPE-CAPITAL H			• V-hand
		• H-hand			$\rightarrow$ 0056 V latin capital letter v
E409	Ι	$\rightarrow$ 0048 H latin capital letter h STOKOE HANDSHAPE-CAPITAL I	E420	¥	
L407	-	$\rightarrow$ 0049 I latin capital letter i	E 401	•	• SS: rooster hand
E40A	Ŧ	STOKOE HANDSHAPE-CAPITAL I BAR	E421	۸	
		• SS: air hand			• SS: angled hand $\rightarrow$ 0245 $\Lambda$ latin capital letter turned v
		$\rightarrow$ 0197 H latin capital letter i with stroke	F422	A	STOKOE HANDSHAPE-CAPITAL TURNED V BAR
E40B	J	STOKOE HANDSHAPE-CAPITAL J		~	• SS
		• SS: flat hand	E423	W	STOKOE HANDSHAPE-CAPITAL W
E40C	Ŧ	$\rightarrow$ 004A J latin capital letter j STOKOE HANDSHAPE-CAPITAL J BAR			• W-hand
LHUC	Ŭ	• SS: ???	E 404	v	$\rightarrow$ 0057 W latin capital letter w
		$\rightarrow$ 0248 J latin capital letter j with stroke	E424	^	STOKOE HANDSHAPE-CAPITAL X • X-hand
E40D	า	STOKOE HANDSHAPE-CAPITAL TURNED J			$\rightarrow$ 0058 X latin capital letter x
		• SS: hook finger	E425	Y	
E40E	K	STOKOE HANDSHAPE-CAPITAL K			$\rightarrow$ 0059 Y latin capital letter y
		• K-hand $\rightarrow$ 004B K latin capital letter k	E426	¥	
E40F	L	STOKOE HANDSHAPE-CAPITAL L			• SS: splayed hand
2.51		• L-hand	E427	¥	$\rightarrow$ 00A5 ¥ yen sign STOKOE HANDSHAPE-CAPITAL Y BAR WITH
		$\rightarrow$ 004C L latin capital letter l	L427	т	VERTICAL STROKE
E410	Г	STOKOE HANDSHAPE-CAPITAL INVERTED L			• SS: big middle finger
F / 1 1	N /1	• SS: L-hand	E428	Y	
E411	IVI	STOKOE HANDSHAPE-CAPITAL M • M-hand	E 400	z	• middle finger extended from fist
		$\rightarrow$ 004D M latin capital letter m	E429	Z	STOKOE HANDSHAPE-CAPITAL Z • SS: round the middle finger
E412	Ν	STOKOE HANDSHAPE-CAPITAL N			$\rightarrow$ 005A Z latin capital letter z
		• N-hand	E42A	Y	STOKOE HANDSHAPE-CAPITAL HORNS
		$\rightarrow$ 004E N latin capital letter n			horns hand
E413	0	STOKOE HANDSHAPE-CAPITAL O			$\rightarrow$ 2442 $\forall$ ocr fork
		• O-hand	E42B	Δ	STOKOE HANDSHAPE-CAPITAL DELTA
E414	С	$\rightarrow$ 004F O latin capital letter o STOKOE HANDSHAPE-CAPITAL OPEN O			• SS: hands pinched
2414	0	• SS: measure of hand	E 400	A	$\rightarrow$ 0394 $\Delta$ greek capital letter delta
		$\rightarrow$ 0186 C latin capital letter open o	E42C	Ш	STOKOE HANDSHAPE-CAPITAL DELTA WITH VERTICAL STROKE
E415	θ	STOKOE HANDSHAPE-CAPITAL O BAR			SS: small O-hand
		• SS: hold hand			
		$\rightarrow$ 019F $\Theta$ latin capital letter o with middle tilde			

# E42D

E42D	Σ	STOKOE HANDSHAPE-CAPITAL SIGMA	E44E	$\bigotimes$	<reserved></reserved>
		• SS: claw hand	E44F		STOKOE HANDSHAPE-SMALL N
		$\rightarrow$ 03A3 $\Sigma$ greek capital letter sigma			• DSE
E42E	3 5	STOKOE HANDSHAPE-THREE FIVE			$\rightarrow$ 006E n latin small letter n
		• LIS: ???	E450	0	STOKOE HANDSHAPE-SMALL O
E42F	g	STOKOE HANDSHAPE-LARGE SMALL G			• DSE
		• LIS: index down	E 4 E 4		$\rightarrow$ 006F o latin small letter o
F 420	a	$\rightarrow$ 0067 g latin small letter g	E451	р	STOKOE HANDSHAPE-SMALL P • DSE
E430	0	STOKOE HANDSHAPE-ZERO • DSE			$\rightarrow$ 0070 p latin small letter p
		$\rightarrow 0030 0$ digit zero	E452		<pre><reserved></reserved></pre>
E431	1	STOKOE HANDSHAPE-ONE	E453		<reserved></reserved>
2.01	-	$\rightarrow 0031$ 1 digit one	E454	S	STOKOE HANDSHAPE-SMALL S
E432	$\square$	<reserved></reserved>			• LIS
E433	3	STOKOE HANDSHAPE-THREE		<b>6</b> 77	$\rightarrow$ 0073 s latin small letter s
		• cock hand	E455 E456		<reserved></reserved>
E 40.4	Λ	$\rightarrow$ 0033 3 digit three	E450 E457		<reserved> <reserved></reserved></reserved>
E434	4	STOKOE HANDSHAPE-FOUR $\rightarrow$ 0034 4 digit four	E458		<reserved></reserved>
E435	5		E459	$\boxtimes$	<reserved></reserved>
2.00	•	• 5-hand	E45A		<reserved></reserved>
		$\rightarrow$ 0035 5 digit five	E45B E45C		<reserved> STOKOE HANDSHAPE-SUBSCRIPT SMALL M</reserved>
E436	Ø	<reserved></reserved>	L4JC	m	• DSE
E437	7	STOKOE HANDSHAPE-SEVEN			$\rightarrow$ 2098 latin subscript small letter m
E 420	0	$\rightarrow$ 0037 7 digit seven	E45D	n	STOKOE HANDSHAPE-SUBSCRIPT SMALL P
E438	8	STOKOE HANDSHAPE-EIGHT • BSL-Kyle, Stokoe 1978		٣	• DSE
		$\rightarrow$ 0038 8 digit eight			$\rightarrow$ 209A latin subscript small letter p
E439	$\bigotimes$	<pre><roor clight="" clight<="" pre=""></roor></pre>	E45E	r	STOKOE HANDSHAPE-SUBSCRIPT SMALL R
E43A		STOKOE HANDSHAPE-OPEN EIGHT			• DSE
		$\rightarrow$ 0222 8 latin capital letter ou	E45F	S	STOKOE HANDSHAPE-SUBSCRIPT SMALL S • DSE
E43B	#	STOKOE HANDSHAPE-NUMBER SIGN			$\rightarrow$ 209B latin subscript small letter s
		• Stokoe 1960 g-only	E460	t	STOKOE HANDSHAPE-SUBSCRIPT SMALL T
E43C	Т	→ 0023 # number sign STOKOE HANDSHAPE-GELD		ı	• Stokoe 1960 a , 1965 n
L430	11	• DSE: geld hand			$\rightarrow$ 209C latin subscript small letter t
E43D	$\nabla$	STOKOE HANDSHAPE-BEAK	E461	v	STOKOE HANDSHAPE-SUBSCRIPT SMALL V
		• DSE	E4(0		• DSE
E43E	$\succ$	STOKOE HANDSHAPE-OPEN BEAK	E462	x	STOKOE HANDSHAPE-SUBSCRIPT SMALL X  • DSE
E 40 E		• DSE			$\rightarrow$ 2093 x latin subscript small letter x
E43F		STOKOE HANDSHAPE-ANGLE	E463	1	STOKOE HANDSHAPE-SUBSCRIPT ONE
E110	_	• DSE STOKOE HANDSHAPE-SHOWER			• DSE: one-hand
L440	/ \	• DSE: shower?			$\rightarrow$ 2081 1 subscript one
E441	Λ		E464	2	STOKOE HANDSHAPE-SUBSCRIPT TWO
		• DSE: flower?			• DSE: two-hand
Moo	lific	vre to Handebano (doz) symbole			$\rightarrow$ 2082 ₂ subscript two
		ers to Handshape (dez) symbols	E465	5	STOKOE HANDSHAPE-SUBSCRIPT FIVE
E443	b	STOKOE HANDSHAPE-SMALL B • DSE: baby			• DSE
		$\rightarrow$ 0062 b latin small letter b		h	$\rightarrow$ 2085 s subscript five
E444		<pre><reserved></reserved></pre>	E466		STOKOE HANDSHAPE-SUPERSCRIPT SMALL H
E445	d	STOKOE HANDSHAPE-SMALL D			• DSE: sudden stop $\rightarrow$ 02B0 h modifier letter small h
		• BSL	E467	k	STOKOE HANDSHAPE-SUPERSCRIPT SMALL K
		$\rightarrow$ 0064 d latin small letter d	L 107		• DSE: small movement
E446	е	STOKOE HANDSHAPE-SMALL E			$\rightarrow$ 1D4F ^k modifier letter small k
		• DSE	E468	I	STOKOE HANDSHAPE-SUPERSCRIPT SMALL L
E447	673	→ 0065 e latin small letter e <reserved></reserved>			• DSE: slow movement
E447 E448		<reserved></reserved>			$\rightarrow$ 02E1 ¹ modifier letter small 1
E449	Ö	<reserved></reserved>	E469	S	STOKOE HANDSHAPE-SUPERSCRIPT SMALL S
E44A	$\square$	<reserved></reserved>			<ul> <li>DSE: quick movement</li> <li>→ 02E2 s modifier letter small s</li> </ul>
E44B		<reserved></reserved>			
E44C E44D		<reserved> <reserved></reserved></reserved>			
	622				

				~	
E46A	t	STOKOE HANDSHAPE-SUPERSCRIPT SMALL T	E48D	f	STOKOE PART OF HAND-SUPERSCRIPT SMALL F
		• DSE: tense movement			• DSE: lower phalanx, powerful movement
		$\rightarrow$ 1D57 ^t modifier letter small t			$\rightarrow$ 1DA0 f modifier letter small f
			E48E	g	STOKOE PART OF HAND-SUPERSCRIPT SMALL G
HKS	SL	Handshape (modifier?) symbols			DSE: lower joint
E46B	F	STOKOE HANDSHAPE-SUPERSCRIPT CAPITAL F	E48F	i	STOKOE PART OF HAND-SUPERSCRIPT SMALL I
E46C	х	STOKOE HANDSHAPE-SUPERSCRIPT CAPITAL X	LIUI		• BSL: middle finger
E46D	С	STOKOE HANDSHAPE-SMALL CAPITAL C			$\rightarrow$ 2071 ⁱ superscript latin small letter i
	-	$\rightarrow$ 1D04 c latin letter small capital c	F 400	0	
E46E	Ν	STOKOE HANDSHAPE-SMALL CAPITAL N	E490	Ŭ	STOKOE PART OF HAND-SUPERSCRIPT SMALL O
LTUL		$\rightarrow$ 0274 N latin letter small capital n			BSL: ring finger
E46F	ο	STOKOE HANDSHAPE-SMALL CAPITAL O			$\rightarrow$ 1D52 ° modifier letter small o
L401	0	$\rightarrow$ 1D0F o latin letter small capital o	E491	u	STOKOE PART OF HAND-SUPERSCRIPT SMALL U
F 470	_				BSL: little finger
E470	Ρ	STOKOE HANDSHAPE-SMALL CAPITAL P			$\rightarrow$ 1D58 ^u modifier letter small u
F 471	_	$\rightarrow$ 1D18 P latin letter small capital p	_		
E471	S	STOKOE HANDSHAPE-SMALL CAPITAL S	Part	IS C	of hand symbols (BSL-Kyle)
		$\rightarrow$ A731 s latin letter small capital s	E492	╘	STOKOE PART OF HAND-BETWEEN RING LITTLE
E472	т	STOKOE HANDSHAPE-SMALL CAPITAL T			FINGER
		$\rightarrow$ 1D1B T latin letter small capital t	E493	×	STOKOE PART OF HAND-TIPS OF FINGERS
E473	х	STOKOE HANDSHAPE-SMALL CAPITAL X	E494	•••	STOKOE PART OF HAND-LENGTHS OF FINGERS
Dout			E495	L	STOKOE PART OF HAND-THUMB EDGE
		of hand symbols			• thumb edge (from base of thumb to tip of index
E480	1	STOKOE PART OF HAND-SUPERSCRIPT ONE			finger)
		• DSE and Stokoe 1960 a do not superscript, BSL:	E496	-	STOKOE PART OF HAND-LITTLE FINGER EDGE
		between thumb and index finger	E497	Ц	STOKOE PART OF HAND-PALM SURFACE
		$\rightarrow$ 00B9 ¹ superscript one			$\rightarrow$ 02FD _ modifier letter shelf
E481	2	STOKOE PART OF HAND-SUPERSCRIPT TWO	E498		STOKOE PART OF HAND-BACK OF HAND SURFACE
		• DSE and Stokoe 1960 a do not superscript, *	E499	-	STOKOE PART OF HAND-PALM SIDE OF WRIST
		BSL: between index and middle finger	E49A	F	STOKOE PART OF HAND-BACK OF HAND SIDE OF
		$\rightarrow$ 00B2 ² superscript two	E (05	ŧ	WRIST
E482	3	STOKOE PART OF HAND-SUPERSCRIPT THREE	E49B		STOKOE PART OF HAND-INNER SIDE OF ELBOW
2102		• DSE and Stokoe 1960 a do not superscript, *	E49C	+	STOKOE PART OF HAND-OUTER SIDE OF ELBOW
		BSL: between middle and ring finger		atio	on (tab) symbols
		$\rightarrow$ 00B3 ³ superscript three	E4A0	Ø	STOKOE LOCATION-NEUTRAL SPACE-1
E483	4	STOKOE PART OF HAND-SUPERSCRIPT FOUR	L4A0	Ø	$\rightarrow$ 00D8 Ø latin capital letter o with stroke
2100		• BSL: between ring and little finger, * DSE does	E4A1	$\overline{\cap}$	STOKOE LOCATION-TOP OF HEAD-1
		not superscript	E4A2		STOKOE LOCATION-TOP OF HEAD-1 STOKOE LOCATION-FOREHEAD
		$\rightarrow$ 2074 ⁴ superscript four	E4A3	Π	STOKOE LOCATION-UPPER FACE
E484	5	STOKOE PART OF HAND-SUPERSCRIPT FIVE	2 .7 10	• •	• BSL-Kyle: forehead
L404					$\rightarrow$ 2229 $\cap$ intersection
		• DSE does not superscript	E4A4	0	STOKOE LOCATION-WHOLE FACE
	6	$\rightarrow$ 2075 ⁵ superscript five	E4A5	ŭ	STOKOE LOCATION-EYES-1
E485	0	STOKOE PART OF HAND-SUPERSCRIPT SIX	L 1710	-	• BSL: eye
		• DSE does not superscript			
		$\rightarrow$ 2076 ⁶ superscript six		~	$\rightarrow$ 237D $\Box$ should ered open bo x
E486	7	STOKOE PART OF HAND-SUPERSCRIPT SEVEN	E4A6	Δ	STOKOE LOCATION-NOSE-1
		DSE does not superscript	E4A7 E4A8	3	STOKOE LOCATION-CHEEK STOKOE LOCATION-EAR
		$\rightarrow$ 2077 ⁷ superscript seven	E4A9		
E487	8	STOKOE PART OF HAND-SUPERSCRIPT EIGHT	L4A9	Ū	STOKOE LOCATION-MOUTH-1
L407		• DSE does not superscript	E 4 A A		• BSL: mouth and lips, BSL-Kyle: lips
			E4AA	U	STOKOE LOCATION-LOWER FACE
	0	$\rightarrow$ 2078 ⁸ superscript eight			$\rightarrow$ 222A U union
E488	а	STOKOE PART OF HAND-SUPERSCRIPT SMALL A	E4AB	$\cup$	STOKOE LOCATION-CHIN
		• DSE: tip of finger, BSL: thumb	E4AC	$\underline{\nabla}$	STOKOE LOCATION-UNDER CHIN
		$\rightarrow$ 1D43 ^a modifier letter small a	E4AD	11	STOKOE LOCATION-NECK-1
E489	b	STOKOE PART OF HAND-SUPERSCRIPT SMALL B			• BSL: throat or neck
		• DSE: upper phalanx			$\rightarrow$ 03A0 $\Pi$ greek capital letter pi
		$\rightarrow$ 1D47 ^b modifier letter small b	E4AE	[]	STOKOE LOCATION-CHEST
E48A	С	STOKOE PART OF HAND-SUPERSCRIPT SMALL C			• BSL-Kyle: area between shoulders and hips
		• DSE: top of joint	E4AF	Ε	STOKOE LOCATION-LEFT SIDE OF CHEST
E48B	d	STOKOE PART OF HAND-SUPERSCRIPT SMALL D			$\rightarrow$ 005B [ left square bracket
		• DSE: middle phalanx	E4B0	]	STOKOE LOCATION-RIGHT SIDE OF CHEST
		$\rightarrow$ 1D48 ^d modifier letter small d			$\rightarrow$ 005D ] right square bracket
E48C	е	STOKOE PART OF HAND-SUPERSCRIPT SMALL E	E4B1	רח	STOKOE LOCATION-UPPER TORSO
		• BSL: index finger, DSE: middle of joint			<ul> <li>BSL uses long vertical stroke</li> </ul>
		$\rightarrow$ 1D49 ° modifier letter small e			-
		1017 mounter letter sinun e			

# E4B2

E4B2	г	STOKOE LOCATION-LEFT UPPER TORSO	E4D8	[]]	STOKOE LOCATION-BACK
		<ul> <li>BSL uses long vertical stroke</li> </ul>			• BSL-Kyle
E4B3	Г	STOKOE LOCATION-RIGHT UPPER TORSO			
		BSL uses long vertical stroke	BSL	. M	odifier Location (tab) symbols
E4B4	LJ	STOKOE LOCATION-LOWER TORSO	E4DC	<	STOKOE MODIFIER LETTER HIGH LEFT ARROWHEAD
LIDI		• BSL uses long vertical stroke	E4DD	>	STOKOE MODIFIER LETTER HIGH RIGHT
E 4 D E			LTUU		ARROWHEAD
E4B5	L	STOKOE LOCATION-LEFT LOWER TORSO			
		<ul> <li>BSL uses long vertical stroke</li> </ul>	BSL	Κ <b>ν</b>	yle Modifier Location (tab) symbols
E4B6	Г	STOKOE LOCATION-RIGHT LOWER TORSO	E4DE		
		BSL uses long vertical stroke	LADE	× 1	$\rightarrow$ 02F1, modifier letter low left arrowhead
E4B7	l	STOKOE LOCATION-UPPER ARM-1			
		• BSL-Kyle: shoulder and upper arm	E4DF	>	STOKOE MODIFIER LETTER LOW RIGHT ARROWHEAD
E4B8	j	STOKOE LOCATION-ELBOW-1			$\rightarrow$ 02F2, modifier letter low right arrowhead
E4B9	J	STOKOE LOCATION-FOREARM-1	DCI	<u> </u>	rightetion (ari) aymhala
		• BSL: lower arm			rientation (ori) symbols
		$\rightarrow$ 2713 $\checkmark$ check mark	E4E0	$\wedge$	
	~				$\rightarrow$ 02C4 $\land$ modifier letter up arrowhead
E4BA	α	STOKOE LOCATION-SUPINE ARM	E4E1	V	STOKOE ORIENTATION-FINGERS DOWN-1
		• BSL: inside of the wrist			$\rightarrow$ 02C5 $\lor$ modifier letter down arrowhead
E4BB	σ	STOKOE LOCATION-PRONE ARM	E4E2	$\bigotimes$	<reserved></reserved>
		• BSL: back of the wrist, LIS: wrist	E4E3		<reserved></reserved>
E4BC	ч	STOKOE LOCATION-HIPS	E4E4		STOKOE ORIENTATION-FINGERS TOWARD-1
2120			L4L4	I	
Sia	ned	Swedish Location (tab) symbols			$\rightarrow$ 22A4 $\top$ down tack
E4C0	~ ~	STOKOE LOCATION-TOP OF HEAD-2	E4E5	$\perp$	STOKOE ORIENTATION-FINGERS AWAY-1
E4C0	0	STOKOE LOCATION-TOP OF HEAD-2 STOKOE LOCATION-EYE			$\rightarrow$ 22A5 $\perp$ up tack
L401			E4E6	<	STOKOE ORIENTATION-FINGERS LEFT-1
E 4 0 0	00	$\rightarrow$ 00B0 ° degree sign	2.20		$\rightarrow$ 02C2 < modifier letter left arrowhead
E4C2		STOKOE LOCATION-EYES-2	E4E7	>	STOKOE ORIENTATION-FINGERS RIGHT-1
E4C3			L4L/	>	
E4C4	{}		E 4 E 0		$\rightarrow$ 02C3 > modifier letter right arrowhead
E4C5	{	STOKOE LOCATION-RIGHT SIDE OF HEAD WITH EAR	E4E8	a	STOKOE ORIENTATION-PALM UP-1A
		$\rightarrow$ 007B { left curly bracket	E4E9	σ	STOKOE ORIENTATION-PALM DOWN-1A
E4C6	}	STOKOE LOCATION-LEFT SIDE OF HEAD WITH EAR	E4EA	$\wedge$	STOKOE ORIENTATION-PALM UP-1B
		$\rightarrow$ 007D } right curly bracket			• LIS
E4C7	()	STOKOE LOCATION-CHEEKS	E4EB	$\vee$	STOKOE ORIENTATION-PALM DOWN-1B
E4C8	(	STOKOE LOCATION-LEFT CHEEK			• LIS
LIGO		$\rightarrow$ 0028 (left parenthesis	E4EC	т	STOKOE ORIENTATION-PALM TOWARD-1
E4C9	)		2.20	•	$\rightarrow$ 22A4 $\top$ down tack
E409	J	STOKOE LOCATION-RIGHT CHEEK			
<b>E</b> 101		$\rightarrow$ 0029) right parenthesis	E4ED	$\bot$	STOKOE ORIENTATION-PALM AWAY-1
E4CA	2	STOKOE LOCATION-MOUTH-2			$\rightarrow$ 22A5 $\perp$ up tack
E4CB	ے م	STOKOE LOCATION-NECK-2	E4EE	<	STOKOE ORIENTATION-PALM LEFT-1
E4CC	0	STOKOE LOCATION-THROAT			$\rightarrow$ 02C2 < modifier letter left arrowhead
E4CD	<	STOKOE LOCATION-ARM	E4EF	>	STOKOE ORIENTATION-PALM RIGHT-1
		$\rightarrow$ 003C < less-than sign	E (E)		$\rightarrow$ 02C3 > modifier letter right arrowhead
E4CE	«	STOKOE LOCATION-UPPER ARM-2			/ 0203 / modifier letter fight arrownead
E4CF	*	STOKOE LOCATION-FOREARM-2	SS (	Orid	entation (ori) symbols
E4D0	ш	STOKOE LOCATION-ABDOMEN		^	
		$\rightarrow$ 02FD _ modifier letter shelf	E4F0		STOKOE ORIENTATION-FINGERS UP-2
		-		~	$\rightarrow$ 02C6 ^ modifier letter circumflex accent
Oth	er L	_ocation (tab) symbols	E4F1		STOKOE ORIENTATION-FINGERS DOWN-2
E4D1					$\rightarrow$ 02C7 $$ caron
L4D1	V		E4F2	$\otimes$	<reserved></reserved>
		• LIS	E4F3		<reserved></reserved>
E4D2	!	STOKOE LOCATION-UPPER LEG	E4F4	Ŧ	STOKOE ORIENTATION-FINGERS TOWARD-2
		• BSL	E4F5	↑	STOKOE ORIENTATION-FINGERS AWAY-2
E4D3	9	STOKOE LOCATION-THIGH	E4F6	←	STOKOE ORIENTATION-FINGERS LEFT-2
		• DSE	E4F7	<b>→</b>	STOKOE ORIENTATION-FINGERS RIGHT-2
		$\rightarrow$ 2AF0 $\downarrow$ vertical line with circle below	E4F8	-	STOKOE ORIENTATION-PALM UP-2
E4D4	Ŷ	STOKOE LOCATION-LOWER LEG	20	-	$\rightarrow$ 02D4 · modifier letter up tack
	I		E4F9	-	STOKOE ORIENTATION-PALM DOWN-2
		• DSE	L41 7	-	
_		$\rightarrow$ 2AEF i vertical line with circle above		<b>(</b> 77)	$\rightarrow$ 02D5 · modifier letter up tack
E4D5	ND	STOKOE LOCATION-NON DOMINANT HAND	E4FA		<reserved></reserved>
		LIS: non dominant hand	E4FB		<reserved></reserved>
E4D6	$\cap$	STOKOE LOCATION-BROW	E4FC		STOKOE ORIENTATION-PALM TOWARD-2
		• BSL-Kyle	E4FD	J	STOKOE ORIENTATION-PALM AWAY-2
E4D7	Ш	STOKOE LOCATION-LEGS	E4FE	)	STOKOE ORIENTATION-PALM LEFT-2
2.07		• BSL-Kyle			$\rightarrow$ 02D2 $\rightarrow$ modifier letter centred right half ring
		DOD TYN			

## **Stokoe Notation**

E4FF	C	STOKOE ORIENTATION-PALM RIGHT-2 $\rightarrow$ 02D3 $\leftarrow$ modifier letter centred left half ring	E52F	*	STOKOE HAND ARRANGEMENT-FINGER CONTACT WITH BODY PART
DSE	0	rientation (ori) symbols	Mov	en	nent (sig) symbols
E500	\$	STOKOE ORIENTATION-FINGERS UP-3	E530	Ø	STOKOE MOVEMENT-MOTIONLESS
E500	Ŷ	STOKOE ORIENTATION-FINGERS DOWN-3	E531	Λ	STOKOE MOVEMENT-UP
					$\rightarrow$ 02C4 $\land$ modifier letter up arrowhead
E502	۰ <b>۲</b>	STOKOE ORIENTATION-FINGERS LEFT AND UP	E532	V	STOKOE MOVEMENT-DOWN
E503	<b>~</b>	STOKOE ORIENTATION-FINGERS RIGHT AND UP	LJJZ		
E504	r S	STOKOE ORIENTATION-FINGERS LEFT AND DOWN		• (	$\rightarrow$ 02C5 $\lor$ modifier letter down arrowhead
E505	د∿ ⇔	STOKOE ORIENTATION-FINGERS RIGHT AND DOWN	E533	$\sim$	STOKOE MOVEMENT-UP AND DOWN
E506	⊷ →	STOKOE ORIENTATION-FINGERS LEFT-3	E534	Т	STOKOE MOVEMENT-TOWARD-1
E507	$\rightarrow$	STOKOE ORIENTATION-FINGERS RIGHT-3	E535	$\perp$	STOKOE MOVEMENT-AWAY-1
E508	↑		E536	T	STOKOE MOVEMENT TOWARD AND AWAY-1
	↓	STOKOE ORIENTATION-PALM UP-3		<	
E509	ĸ	STOKOE ORIENTATION-PALM DOWN-3	E537		STOKOE MOVEMENT-LEFT-1
E50A		STOKOE ORIENTATION-PALM LEFT AND UP			$\rightarrow$ 02C2 < modifier letter left arrowhead
E50B	7	STOKOE ORIENTATION-PALM RIGHT AND UP	E538	>	STOKOE MOVEMENT-RIGHT-1
E50C	Ľ	STOKOE ORIENTATION-PALM LEFT AND DOWN			$\rightarrow$ 02C3 > modifier letter right arrowhead
E50D	Ы	STOKOE ORIENTATION-PALM RIGHT AND DOWN	E539	Z	STOKOE MOVEMENT-SIDE TO SIDE-1
E50E	←	STOKOE ORIENTATION-PALM LEFT-3		÷	
E50F	$\rightarrow$	STOKOE ORIENTATION-PALM RIGHT-3	E53A	•	STOKOE MOVEMENT-SEPARATE
EOUL		STOKUE UKIENTATION-PALM KIGHT-3			• BSL: away from each other
Dee	0	riantation and Mayamant modifiars			$\rightarrow$ 00F7 ÷ division sign
DSE	U	rientation and Movement modifiers	E53B	х	STOKOE MOVEMENT-APPROACH
E510	-0-	STOKOE MODIFIER-HORIZONTAL RELATION TO	L00D		
		SIGNER		_	• BSL: towards each other
E511	)	STOKOE MODIFIER-VERTICAL RELATION TO SIGNER	E53C	I	STOKOE MOVEMENT-LINK
2011					• BSL: join together, BSL-Kyle: interlock
Han	d a	rrangement (ha) symbols (both	E53D	$\odot$	STOKOE MOVEMENT-INSERTION-1
			L00D		
hand	ds)				• BSL: enter
	,				$\rightarrow$ 2299 $\odot$ circled dot operator
E520	1	STOKOE HAND ARRANGEMENT-SIDE BY SIDE	ГЕОГ	$\otimes$	
		DSE uses superscript	E53E		STOKOE MOVEMENT-INSERTION-2
E521	• •	STOKOE HAND ARRANGEMENT-APART		_	• Stokoe 1960 a
	-l-	• LIS: one hand away from the other	E53F	$\odot$	STOKOE MOVEMENT-INSERTION-3
FFAA					• Stokoe 1960 a
E522	$\times$	STOKOE HAND ARRANGEMENT-HAND CONTACT	FF 40	ŧ	
		DSE uses superscript	E540	·	STOKOE MOVEMENT-CROSS
E523	4	STOKOE HAND ARRANGEMENT-LEFT HAND IN FRONT			BSL uses a variant
2020	Ò	OF RIGHT	E541	69	STOKOE MOVEMENT-INTERCHANGE
		• LIS			BSL: change places
FFOA			FF 40	6	
E524	Ŷ	STOKOE HAND ARRANGEMENT-RIGHT HAND IN	E542	0	STOKOE MOVEMENT-RIGHT OPEN COUNTER
		FRONT OF LEFT	<b>FF</b> 10	õ	CLOCKWISE SPIRAL
		• BSL: nearer the body, DSE uses superscript	E543	.0	STOKOE MOVEMENT-BOTTOM OPEN COUNTER
		$\rightarrow$ 26B2 $\circ$ neuter		໑	CLOCKWISE SPIRAL
E525		STOKOE HAND ARRANGEMENT-FINGER CONTACT	E544	01	STOKOE MOVEMENT-BOTTOM OPEN CLOCKWISE
E020	*			<b>.</b>	SPIRAL
		• LIS	E545	Q	STOKOE MOVEMENT-TOP OPEN COUNTER
E526	۲	STOKOE HAND ARRANGEMENT-INTERLINKING			CLOCKWISE SPIRAL
	X	• DSE and Stokoe 1965 n use superscript			• LIS: concave arc in a clockwise direction in th
FF07					
E527	$\odot$	STOKOE HAND ARRANGEMENT-INSERTION		O	frontal plane
		• DSE uses superscript	E546	0	STOKOE MOVEMENT-TOP OPEN CLOCKWISE SPIRA
E528	ŧ	STOKOE HAND ARRANGEMENT-CROSSED OVER			• LIS: concave arc in a counterclockwise directi
2020	+	• DSE and Stokoe 1965 $_{\Omega}$ use superscript			in the frontal plane
			EE 17	×	
E529	#	STOKOE HAND ARRANGEMENT-CLOSED	E547		STOKOE MOVEMENT-CONTACT-1
		<ul> <li>hand or finger closed</li> </ul>			• BSL-Kyle: touch, LIS: hand contact
E52A	ą	STOKOE HAND ARRANGEMENT-RIGHT HAND OVER			$\rightarrow$ 02DF $\times$ modifier letter cross accent
2027	s	LEFT	E548	ω	STOKOE MOVEMENT-TWIST
			E040		
		• LIS			• BSL: twist at wrist
E52B	a	STOKOE HAND ARRANGEMENT-LEFT HAND OVER			$\rightarrow$ 03C9 $\omega$ greek small letter omega
		RIGHT	E549	Q	STOKOE MOVEMENT-SUPINATIVE
		• LIS	LJ47		
E52C		STOKOE HAND ARRANGEMENT-SMALL LETTER D		~	$\rightarrow$ 0251 a latin small letter alpha
LJZC	d		E54A	σ	STOKOE MOVEMENT-PRONATIVE
		• LIS: dominate			$\rightarrow$ 0252 p latin small letter turned alpha
E52D	q	STOKOE HAND ARRANGEMENT-SMALL LETTER G		ŋ	
	9	• LIS: elbow	E54B		STOKOE MOVEMENT-WRIST FLEXION
		LIS. CIOCW			$\rightarrow$ 014B n latin small letter eng
	Po	sition of one or two hands	E54C	ն	STOKOE MOVEMENT-WRIST EXTENSION
1 19 1			E54D	J	STOKOE MOVEMENT-WRIST BENT
	nn:	ared to blace)			
(con	-	ared to place)		6	• LIS: lateral bending of the wrist
(con	npa ×	STOKOE HAND ARRANGEMENT-HAND CONTACT	E54E	6	STOKOE MOVEMENT-WRIST FLEXION AND
(con	-	• •	E54E	6	

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E54F	m	STOKOE MOVEMENT-BEND AT PALM KNUCKLES	E56E	₹	STOKOE N
	m	• HKSL: flattening (flexion of the base joints)			<ul> <li>direction</li> </ul>
E550	.,	STOKOE MOVEMENT-FLEX AT KNUCKLES		Ŧ	movem
1	ያ	• HKSL: hooking (flexion of the non-base joints)	E56F		STOKOE N
E551	50	STOKOE MOVEMENT-WIGGLE			<ul> <li>directio</li> </ul>
		• BSL-Kyle: flicker	<b>FF7</b> 0	⊼	movem
	777	$\rightarrow$ 1D25 <b>.</b> latin letter ain	E570		STOKOE N
552	177	STOKOE MOVEMENT-CRUMBLING-1			<ul> <li>directio</li> </ul>
553		STOKOE MOVEMENT-CRUMBLING-2	<b>FF7</b> 1	¥	movem
	[ ¹⁷ )	• BSL: thumb rubs across the fingers	E571		STOKOE N
554	.,	STOKOE MOVEMENT-CRUMBLING-3			<ul> <li>direction</li> </ul>
		HKSL: rubbing	<b>FF7</b> 0	≻	movem
555		STOKOE MOVEMENT-OPEN	E572	<	STOKOE N
		$\rightarrow$ 2610 $\square$ ballot bo x	E573 E574	E	STOKOE N
556	#	STOKOE MOVEMENT-CLOSE	E575	$\angle$	STOKOE N STOKOE N
	~	$\rightarrow$ 0023 # number sign	E576		STOKOE N STOKOE N
557	Я	STOKOE MOVEMENT-REVERSE	E577	0	STOKOE N
		$\rightarrow$ 1D19 s latin letter small capital reversed r	2077		$\rightarrow$ 26AA
558	R	STOKOE MOVEMENT-GRAZE DOWN	E578	S	STOKOE N
	_	• Stokoe 1960 g	L370		$\rightarrow 007E \sim$
559	$\boxtimes$	STOKOE MOVEMENT-CONTINUOUS CONTACT	E570	$\sim$	$\rightarrow 007E \sim$ STOKOE N
		• HKSL	E579 E57A	⇒	STOKOE N STOKOE N
55A	M	STOKOE MOVEMENT-TREMORING	E57A E57B	≈	STOKOE N STOKOE N
		• HKSL	LJ/D		STOKOL
		$\rightarrow$ 028D M latin small letter turned w		: M	ovemer
IS	Мо	vement (sig) symbols	E580	$\rightarrow$	STOKOE N
55B	Г	STOKOE MOVEMENT-BEND KNUCKLES	<b>FF01</b>		$\rightarrow$ 21F8 -
		$\rightarrow$ 2310 - reversed not sign	E581	↔	STOKOE N
55C	1	STOKOE MOVEMENT-BEND INTERCARPAL JOINTS		*	→ 21F7 <b>«</b>
55D	*	STOKOE MOVEMENT-FINGER CONTACT	E582	f	STOKOE N
			E583	ŧ	STOKOE N
IS.	adj	ectives of Movement (sig) symbols	E584	¥	
55E	• بر	STOKOE MOVEMENT-SEQUENTIAL FINGER	E585	Х <u>.</u> Б.	
55F	٤	STOKOE MOVEMENT-SLOW	E586 E587	Γ <u>×</u> , ✓	
60	ļ	STOKOE MOVEMENT-TENSE	E588	∽ ++>	STOKOE N STOKOE N
61	~	STOKOE MOVEMENT-ELBOW EXTENSION	L300		$\rightarrow 21FB +$
562	I	STOKOE MOVEMENT-HELD			stroke
SS I	Mov	/ement (sig) symbols	E589		STOKOE N
563	•	STOKOE MOVEMENT-CONTACT-2			$\rightarrow$ 21FA $\cdot$
		$\rightarrow$ 00B7 · middle dot			stroke
564	←				Sticke
-			E58A	ŧ	
		STOKOE MOVEMENT-LEFT-2	E58A	ŧ	STOKOE N
565	$\rightarrow$	STOKOE MOVEMENT-LEFT-2 • left movement direction	E58A E58B	<b>∔</b>	STOKOE M $\rightarrow 21 \text{DE}$
565	→	STOKOE MOVEMENT-LEFT-2 • left movement direction STOKOE MOVEMENT-RIGHT-2			STOKOE № → 21DE STOKOE №
	→	STOKOE MOVEMENT-LEFT-2 • left movement direction STOKOE MOVEMENT-RIGHT-2 • right movement direction	E58B	ŧ	STOKOE M $\rightarrow$ 21DE STOKOE M $\rightarrow$ 21DF
		STOKOE MOVEMENT-LEFT-2 • left movement direction STOKOE MOVEMENT-RIGHT-2 • right movement direction STOKOE MOVEMENT-SIDE TO SIDE-2	E58B E58C	‡ .×	STOKOE M $\rightarrow$ 21DE STOKOE M $\rightarrow$ 21DF STOKOE M
566	→ \$ \$	STOKOE MOVEMENT-LEFT-2 • left movement direction STOKOE MOVEMENT-RIGHT-2 • right movement direction STOKOE MOVEMENT-SIDE TO SIDE-2 • left-right movement direction	E58B E58C E58D	‡ ∡×	STOKOE M $\rightarrow$ 21DE STOKOE M $\rightarrow$ 21DF STOKOE M STOKOE M
566	÷	STOKOE MOVEMENT-LEFT-2 • left movement direction STOKOE MOVEMENT-RIGHT-2 • right movement direction STOKOE MOVEMENT-SIDE TO SIDE-2 • left-right movement direction STOKOE MOVEMENT-SIDE TO SIDE-3	E58B E58C E58D E58E	≠ ₹×	STOKOE M $\rightarrow$ 21DE STOKOE M $\rightarrow$ 21DF STOKOE M STOKOE M STOKOE M
666 667		STOKOE MOVEMENT-LEFT-2 • left movement direction STOKOE MOVEMENT-RIGHT-2 • right movement direction STOKOE MOVEMENT-SIDE TO SIDE-2 • left-right movement direction STOKOE MOVEMENT-SIDE TO SIDE-3 • not sure if this is significant difference	E58B E58C E58D E58E E58F	‡ ∡×	STOKOE N $\rightarrow$ 21DE STOKOE N $\rightarrow$ 21DF STOKOE N STOKOE N STOKOE N STOKOE N
566 567 568	÷	STOKOE MOVEMENT-LEFT-2 • left movement direction STOKOE MOVEMENT-RIGHT-2 • right movement direction STOKOE MOVEMENT-SIDE TO SIDE-2 • left-right movement direction STOKOE MOVEMENT-SIDE TO SIDE-3 • not sure if this is significant difference STOKOE MOVEMENT-INTO	E58B E58C E58D E58E E58F E590	+ ××××	STOKOE M $\rightarrow$ 21DE STOKOE M $\rightarrow$ 21DF STOKOE M STOKOE M STOKOE M STOKOE M
566 567 568	↔ **	STOKOE MOVEMENT-LEFT-2 • left movement direction STOKOE MOVEMENT-RIGHT-2 • right movement direction STOKOE MOVEMENT-SIDE TO SIDE-2 • left-right movement direction STOKOE MOVEMENT-SIDE TO SIDE-3 • not sure if this is significant difference STOKOE MOVEMENT-INTO STOKOE MOVEMENT-TOWARD-2	E58B E58C E58D E58E E58F E590 E591	\ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	STOKOE M $\rightarrow$ 21DE STOKOE M $\rightarrow$ 21DF STOKOE M STOKOE M STOKOE M STOKOE M STOKOE M
66 67 68 69	↔ **	STOKOE MOVEMENT-LEFT-2 • left movement direction STOKOE MOVEMENT-RIGHT-2 • right movement direction STOKOE MOVEMENT-SIDE TO SIDE-2 • left-right movement direction STOKOE MOVEMENT-SIDE TO SIDE-3 • not sure if this is significant difference STOKOE MOVEMENT-INTO STOKOE MOVEMENT-INTO STOKOE MOVEMENT-TOWARD-2 • direction of movement, front	E58B E58C E58D E58E E58F E590 E591 E592	╪┊╳╳╞╪╪	STOKOE M $\rightarrow$ 21DE STOKOE M $\rightarrow$ 21DF STOKOE M STOKOE M STOKOE M STOKOE M STOKOE M
566 567 568 569	↔ ≁ ↑	STOKOE MOVEMENT-LEFT-2 • left movement direction STOKOE MOVEMENT-RIGHT-2 • right movement direction STOKOE MOVEMENT-SIDE TO SIDE-2 • left-right movement direction STOKOE MOVEMENT-SIDE TO SIDE-3 • not sure if this is significant difference STOKOE MOVEMENT-INTO STOKOE MOVEMENT-INTO STOKOE MOVEMENT-TOWARD-2 • direction of movement, front STOKOE MOVEMENT-AWAY-2	E58B E58C E58D E58E E58F E590 E591	\ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	STOKOE M $\rightarrow$ 21DE STOKOE M $\rightarrow$ 21DF STOKOE M STOKOE M STOKOE M STOKOE M STOKOE M STOKOE M
66 67 68 69 6A	↔ ≁ ↑	STOKOE MOVEMENT-LEFT-2 • left movement direction STOKOE MOVEMENT-RIGHT-2 • right movement direction STOKOE MOVEMENT-SIDE TO SIDE-2 • left-right movement direction STOKOE MOVEMENT-SIDE TO SIDE-3 • not sure if this is significant difference STOKOE MOVEMENT-INTO STOKOE MOVEMENT-INTO STOKOE MOVEMENT-TOWARD-2 • direction of movement, front STOKOE MOVEMENT-AWAY-2 • direction of movement, towards	E58B E58C E58D E58E E58F E590 E591 E592 E593	╪> Ў⋊́Ķ́ݤ╪╪╪ <del></del> ╪╪	STOKOE M $\rightarrow$ 21DE STOKOE M $\rightarrow$ 21DF STOKOE M STOKOE M STOKOE M STOKOE M STOKOE M STOKOE M STOKOE M
66 67 68 69 6A	↔ ≁ ↑	STOKOE MOVEMENT-LEFT-2 • left movement direction STOKOE MOVEMENT-RIGHT-2 • right movement direction STOKOE MOVEMENT-SIDE TO SIDE-2 • left-right movement direction STOKOE MOVEMENT-SIDE TO SIDE-3 • not sure if this is significant difference STOKOE MOVEMENT-INTO STOKOE MOVEMENT-INTO STOKOE MOVEMENT-TOWARD-2 • direction of movement, front STOKOE MOVEMENT-AWAY-2 • direction of movement, towards STOKOE MOVEMENT-TOWARD AND AWAY-2	E588 E58C E588 E58F E58F E590 E591 E592 E593 E594 E595 E596	╪> <u>`</u> ``X`X`X <del>`</del> <del>`</del> <del>`</del> <del>`</del> <del>`</del> *	stokoe m → 21DE stokoe m
566 567 568 569 56A 56B	↔ ≁ ↑	STOKOE MOVEMENT-LEFT-2 • left movement direction STOKOE MOVEMENT-RIGHT-2 • right movement direction STOKOE MOVEMENT-SIDE TO SIDE-2 • left-right movement direction STOKOE MOVEMENT-SIDE TO SIDE-3 • not sure if this is significant difference STOKOE MOVEMENT-INTO STOKOE MOVEMENT-INTO STOKOE MOVEMENT-TOWARD-2 • direction of movement, front STOKOE MOVEMENT-AWAY-2 • direction of movement, towards STOKOE MOVEMENT-TOWARD AND AWAY-2 • from and towards movement direction	E58B E58C E58D E58E E58F E590 E591 E592 E593 E594 E595	₩ ਅੱਨਾਨਾਨੇ ‡ੇ ‡ੇ ਵੀ ਅਤੇ ਅੱ	STOKOE M $\rightarrow$ 21DE STOKOE M $\rightarrow$ 21DF STOKOE M STOKOE M STOKOE M STOKOE M STOKOE M STOKOE M STOKOE M STOKOE M STOKOE M
566 567 568 569 56A 56B	↔ ≁ ↓	STOKOE MOVEMENT-LEFT-2 • left movement direction STOKOE MOVEMENT-RIGHT-2 • right movement direction STOKOE MOVEMENT-SIDE TO SIDE-2 • left-right movement direction STOKOE MOVEMENT-SIDE TO SIDE-3 • not sure if this is significant difference STOKOE MOVEMENT-INTO STOKOE MOVEMENT-INTO STOKOE MOVEMENT-TOWARD-2 • direction of movement, front STOKOE MOVEMENT-AWAY-2 • direction of movement, towards STOKOE MOVEMENT-TOWARD AND AWAY-2 • from and towards movement direction STOKOE MOVEMENT-LEFT WITH DISTINCT STOP	E588 E58C E58D E58F E590 E591 E592 E593 E594 E595 E596 E597 E598	€%%%%%	STOKOE M $\rightarrow$ 21DE STOKOE M $\rightarrow$ 21DF STOKOE M STOKOE M STOKOE M STOKOE M STOKOE M STOKOE M STOKOE M STOKOE M
566 567 568 569 56A 56B	↔ ≁ ↓	STOKOE MOVEMENT-LEFT-2 • left movement direction STOKOE MOVEMENT-RIGHT-2 • right movement direction STOKOE MOVEMENT-SIDE TO SIDE-2 • left-right movement direction STOKOE MOVEMENT-SIDE TO SIDE-3 • not sure if this is significant difference STOKOE MOVEMENT-INTO STOKOE MOVEMENT-INTO STOKOE MOVEMENT-TOWARD-2 • direction of movement, front STOKOE MOVEMENT-AWAY-2 • direction of movement, towards STOKOE MOVEMENT-TOWARD AND AWAY-2 • from and towards movement direction STOKOE MOVEMENT-LEFT WITH DISTINCT STOP • direction of movement with a distinctive end	E588 E58C E58D E58F E590 E591 E592 E593 E594 E595 E596 E597 E598 E599	<=> € ∞ ∞ ∞ ∞ <= = => € € ∞ ∞ ∞ ∞ <=	STOKOE M $\rightarrow$ 21DE STOKOE M $\rightarrow$ 21DF STOKOE M STOKOE M
566 567 568 569 56A 56B 56C	↔ ≁ ↓	<ul> <li>STOKOE MOVEMENT-LEFT-2</li> <li>left movement direction</li> <li>STOKOE MOVEMENT-RIGHT-2</li> <li>right movement direction</li> <li>STOKOE MOVEMENT-SIDE TO SIDE-2</li> <li>left-right movement direction</li> <li>STOKOE MOVEMENT-SIDE TO SIDE-3</li> <li>not sure if this is significant difference</li> <li>STOKOE MOVEMENT-INTO</li> <li>STOKOE MOVEMENT-TOWARD-2</li> <li>direction of movement, front</li> <li>STOKOE MOVEMENT-AWAY-2</li> <li>direction of movement, towards</li> <li>STOKOE MOVEMENT-TOWARD AND AWAY-2</li> <li>from and towards movement direction</li> <li>STOKOE MOVEMENT-LEFT WITH DISTINCT STOP</li> <li>direction of movement with a distinctive end movement, left</li> </ul>	E58B E58C E58D E58E E58F E590 E591 E592 E593 E594 E595 E596 E597 E598 E599 E594	रिंग् में के के के कि र≢ाम में में के के के कि के कि	STOKOE M $\rightarrow$ 21DE STOKOE M $\rightarrow$ 21DF STOKOE M STOKOE M
566 567 568 569 56A 56B 56C	↔ ↑ ↓	<ul> <li>STOKOE MOVEMENT-LEFT-2</li> <li>left movement direction</li> <li>STOKOE MOVEMENT-RIGHT-2</li> <li>right movement direction</li> <li>STOKOE MOVEMENT-SIDE TO SIDE-2</li> <li>left-right movement direction</li> <li>STOKOE MOVEMENT-SIDE TO SIDE-3</li> <li>not sure if this is significant difference</li> <li>STOKOE MOVEMENT-INTO</li> <li>STOKOE MOVEMENT-TOWARD-2</li> <li>direction of movement, front</li> <li>STOKOE MOVEMENT-AWAY-2</li> <li>direction of movement, towards</li> <li>STOKOE MOVEMENT-TOWARD AND AWAY-2</li> <li>from and towards movement direction</li> <li>STOKOE MOVEMENT-LEFT WITH DISTINCT STOP</li> <li>direction of movement with a distinctive end movement, left</li> </ul>	E58B E58C E58D E58F E590 E591 E592 E593 E594 E595 E596 E597 E598 E599 E598 E599 E594 E598	रिंग् में के के के कि र≢ाम में में के के के कि के कि	STOKOE M $\rightarrow$ 21DE STOKOE M STOKOE M
565 566 5567 5568 5569 5568 5568 5566	↔ ↑ ↓	<ul> <li>STOKOE MOVEMENT-LEFT-2</li> <li>left movement direction</li> <li>STOKOE MOVEMENT-RIGHT-2</li> <li>right movement direction</li> <li>STOKOE MOVEMENT-SIDE TO SIDE-2</li> <li>left-right movement direction</li> <li>STOKOE MOVEMENT-SIDE TO SIDE-3</li> <li>not sure if this is significant difference</li> <li>STOKOE MOVEMENT-INTO</li> <li>STOKOE MOVEMENT-TOWARD-2</li> <li>direction of movement, front</li> <li>STOKOE MOVEMENT-AWAY-2</li> <li>direction of movement, towards</li> <li>STOKOE MOVEMENT-TOWARD AND AWAY-2</li> <li>from and towards movement direction</li> <li>STOKOE MOVEMENT-LEFT WITH DISTINCT STOP</li> <li>direction of movement with a distinctive end movement, left</li> <li>STOKOE MOVEMENT-RIGHT WITH DISTINCT STOP</li> </ul>	E58B E58C E58D E58F E590 E591 E592 E593 E594 E595 E596 E597 E598 E599 E598 E599 E598 E599 E598 E599	····& & & +++ € & & & & & & & ++++ € € & × × × ×	STOKOE M $\rightarrow$ 21DE STOKOE M $\rightarrow$ 21DF STOKOE M STOKOE M
566 567 568 569 56A 56B 56C	↔ ↑ ↓	<ul> <li>STOKOE MOVEMENT-LEFT-2</li> <li>left movement direction</li> <li>STOKOE MOVEMENT-RIGHT-2</li> <li>right movement direction</li> <li>STOKOE MOVEMENT-SIDE TO SIDE-2</li> <li>left-right movement direction</li> <li>STOKOE MOVEMENT-SIDE TO SIDE-3</li> <li>not sure if this is significant difference</li> <li>STOKOE MOVEMENT-INTO</li> <li>STOKOE MOVEMENT-TOWARD-2</li> <li>direction of movement, front</li> <li>STOKOE MOVEMENT-AWAY-2</li> <li>direction of movement, towards</li> <li>STOKOE MOVEMENT-TOWARD AND AWAY-2</li> <li>from and towards movement direction</li> <li>STOKOE MOVEMENT-LEFT WITH DISTINCT STOP</li> <li>direction of movement with a distinctive end movement, left</li> </ul>	E58B E58C E58D E58F E590 E591 E592 E593 E594 E595 E596 E597 E598 E599 E598 E599 E598 E599 E592 E590	रिंग् में के के के कि र≢ाम में में के के के कि के कि	STOKOE M $\rightarrow$ 21DE STOKOE M $\rightarrow$ 21DF STOKOE M STOKOE M
566 567 568 569 566 568 568	↔ ↑ ↓	<ul> <li>STOKOE MOVEMENT-LEFT-2</li> <li>left movement direction</li> <li>STOKOE MOVEMENT-RIGHT-2</li> <li>right movement direction</li> <li>STOKOE MOVEMENT-SIDE TO SIDE-2</li> <li>left-right movement direction</li> <li>STOKOE MOVEMENT-SIDE TO SIDE-3</li> <li>not sure if this is significant difference</li> <li>STOKOE MOVEMENT-INTO</li> <li>STOKOE MOVEMENT-TOWARD-2</li> <li>direction of movement, front</li> <li>STOKOE MOVEMENT-AWAY-2</li> <li>direction of movement, towards</li> <li>STOKOE MOVEMENT-TOWARD AND AWAY-2</li> <li>from and towards movement direction</li> <li>STOKOE MOVEMENT-LEFT WITH DISTINCT STOP</li> <li>direction of movement with a distinctive end movement, left</li> <li>STOKOE MOVEMENT-RIGHT WITH DISTINCT STOP</li> </ul>	E58B E58C E58B E58E E590 E591 E592 E593 E594 E595 E596 E597 E598 E599 E598 E599 E594 E595 E596 E597 E598 E592 E592 E592 E592 E592 E592	ら ~~~@^ @ <=> => @ % % % @ <====> == == ☆ % % % %	STOKOE M $\rightarrow$ 21DE STOKOE M STOKOE M
566 567 568 569 56A 56B 56C	↔ ↑ ↓	<ul> <li>STOKOE MOVEMENT-LEFT-2</li> <li>left movement direction</li> <li>STOKOE MOVEMENT-RIGHT-2</li> <li>right movement direction</li> <li>STOKOE MOVEMENT-SIDE TO SIDE-2</li> <li>left-right movement direction</li> <li>STOKOE MOVEMENT-SIDE TO SIDE-3</li> <li>not sure if this is significant difference</li> <li>STOKOE MOVEMENT-INTO</li> <li>STOKOE MOVEMENT-TOWARD-2</li> <li>direction of movement, front</li> <li>STOKOE MOVEMENT-AWAY-2</li> <li>direction of movement, towards</li> <li>STOKOE MOVEMENT-TOWARD AND AWAY-2</li> <li>from and towards movement direction</li> <li>STOKOE MOVEMENT-LEFT WITH DISTINCT STOP</li> <li>direction of movement with a distinctive end movement, left</li> <li>STOKOE MOVEMENT-RIGHT WITH DISTINCT STOP</li> </ul>	E58B E58C E58D E58F E590 E591 E592 E593 E594 E595 E596 E597 E598 E599 E598 E599 E598 E599 E592 E590	}€ ~~&&& ↔ € & & & & & + + + + + + + & ~ & ~ ~ ~ ~ ~	STOKOE M $\rightarrow$ 21DE STOKOE M STOKOE M

-	1	STOKOE MOVEMENT-TOWARD WITH DISTINCT STOP
		<ul> <li>direction of movement with a distinctive</li> </ul>
	Ŧ	movement end from
-	¥	STOKOE MOVEMENT-AWAY WITH DISTINCT STOP
		<ul> <li>direction of movement with a distinctive</li> </ul>
	~	movement end towards
)		STOKOE MOVEMENT-UP WITH DISTINCT STOP
		<ul> <li>direction of movement with a distinctive</li> </ul>
	¥	movement end up
	-	STOKOE MOVEMENT-DOWN WITH DISTINCT STOP
		<ul> <li>direction of movement with a distinctive</li> </ul>
	,	movement end down
2	>	STOKOE MOVEMENT-DIVERGE
3	< E	STOKOE MOVEMENT-CONVERGE
ŀ	∟	STOKOE MOVEMENT-ENTER
5		STOKOE MOVEMENT-ANGLE
ò	0	STOKOE MOVEMENT-ARC
/		STOKOE MOVEMENT-CIRCLE
	5	$\rightarrow$ 26AA $\circ$ medium white circle
3		STOKOE MOVEMENT-ROTATION
	$\sim$	$\rightarrow$ 007E $\sim$ tilde
)	⇒	STOKOE MOVEMENT-PLAY
ł	≈	STOKOE MOVEMENT-CHANGE
3		STOKOE MOVEMENT-ALTERNATE-2
F	. М	ovement (sig) symbols
)		
)	17	STOKOE MOVEMENT-ONCE RIGHT $\rightarrow$ 21F8 $\rightarrow$ rightwards arrow with vertical stroke
	↔	STOKOE MOVEMENT-ONCE LEFT
	↑	$\rightarrow$ 21F7 $\leftarrow$ leftwards arrow with vertical stroke
) -	f	STOKOE MOVEMENT-ONCE UP
5	ŧ	STOKOE MOVEMENT-ONCE DOWN
ł	X	STOKOE MOVEMENT-ONCE LEFT AND DOWN STOKOE MOVEMENT-ONCE RIGHT AND DOWN
)	کی جر	STOKOE MOVEMENT-ONCE LEFT AND DOWN STOKOE MOVEMENT-ONCE LEFT AND UP
) 1	~	STOKOE MOVEMENT-ONCE LEFT AND UP STOKOE MOVEMENT-ONCE RIGHT AND UP
3		STOKOE MOVEMENT-ONCE RIGHT AND OF STOKOE MOVEMENT-TWICE RIGHT
,		$\rightarrow$ 21FB $\Rightarrow$ rightwards arrow with double vertical
		stroke
)	←⊫-	STOKE STOKOE MOVEMENT-TWICE LEFT
, 		$\rightarrow$ 21FA $\leftrightarrow$ leftwards arrow with double vertical
4	ŧ	stroke
ł	Ť	STOKOE MOVEMENT-TWICE UP
		$\rightarrow$ 21DE $\ddagger$ upwards arrow with double stroke
3	ŧ	STOKOE MOVEMENT-TWICE DOWN
		$\rightarrow$ 21DF $\ddagger$ downwards arrow with double stroke
2	×	STOKOE MOVEMENT-TWICE LEFT AND DOWN
)	×	STOKOE MOVEMENT-TWICE RIGHT AND DOWN
-	*	STOKOE MOVEMENT-TWICE LEFT AND UP
-	×	STOKOE MOVEMENT-TWICE RIGHT AND UP
)	-⊪> ←⊪-	STOKOE MOVEMENT-THREE PLUS RIGHT
2	ŧ	STOKOE MOVEMENT-THREE PLUS LEFT
2	ŧ	STOKOE MOVEMENT-THREE PLUS UP STOKOE MOVEMENT-THREE PLUS DOWN
) 	↓ ∠¥	STOKOE MOVEMENT-THREE PLUS DOWN STOKOE MOVEMENT-THREE PLUS LEFT AND DOWN
r - )	۲ گر	STOKOE MOVEMENT-THREE PLUS EEPT AND DOWN
5	5×	STOKOE MOVEMENT-THREE PLUS LEFT AND UP
1	**	STOKOE MOVEMENT-THREE PLUS RIGHT AND UP
3	€	STOKOE MOVEMENT-REPEATED BACK AND FORTH
)	€	STOKOE MOVEMENT-REPEATED UP AND DOWN
ł	LH P	STOKOE MOVEMENT-REPEATED-1
	*	STOKOE MOVEMENT-REPEATED-2
2	ş	STOKOE MOVEMENT-ZIGZAG
3	\$2 20	STOKOE MOVEMENT-WAVE
-	Å	STOKOE MOVEMENT-LEFT TO RIGHT IN ARC
- )	÷	STOKOE MOVEMENT-RIGHT TO LEFT IN ARC STOKOE MOVEMENT-DOWN TO UP IN ARC

# **E5A1**

## **Stokoe Notation**

E5A1	•	STOKOE MOVEMENT-UP TO DOWN IN ARC	E5B
		• not sure if this is used	
		STOKOE MOVEMENT-FAST WOBBLY FINGERS	E5B
E5A3	汴		
E5A4	$\sim$	STOKOE MOVEMENT-FAST WOBBLY INDEX AND MIDDLE FINGERS	
		$\rightarrow$ 2A4B m intersection beside and joined with	E5C
		intersection	
E5A5	lШ	STOKOE MOVEMENT-THUMB RUBS FINGERS	E5C
	-		FFC
Mod	lifie	er Movement (sig) symbols	E5C
E5A6	്	STOKOE MODIFIER MOVEMENT-SHORT	
		• above sig	
E5A7	்	STOKOE MODIFIER MOVEMENT-SHARP	E5C
		• above sig	E5C
		$\rightarrow$ 0307 $\odot$ combining dot above	LOC
E5A8	ੇਂ	STOKOE MODIFIER MOVEMENT-SHORT AND SHARP	E5C
		• above sig	LUC
E5A9	~	STOKOE MODIFIER MOVEMENT-ALTERNATE	
		• to the right of sig	E5C
		$\rightarrow$ 007E $\sim$ tilde	200
E5AA	়	STOKOE MODIFIER MOVEMENT-REPEATED	E5C
		• to the right of sig, 2x is continuous	
		$\rightarrow$ 00B7 · middle dot	
E5AB	ः	STOKOE MODIFIER MOVEMENT-REPEATED ARTICULATION	Di
		• SS: repeated articulation, BSL-Kyle: rapid	E5D
Han		hape in Movement symbols	E5D
E5AC	[	STOKOE MODIFIER MOVEMENT-LEFT SQUARE	
E5AD	]	BRACKET	E5D
ESAD	1	STOKOE MODIFIER MOVEMENT-RIGHT SQUARE BRACKET	E5D
-			LUL
	ıbii	ning marks	E5D
E5B0		STOKOE COMBINING ONE DOT ABOVE	LUL
		$\rightarrow$ 0307 $\odot$ combining dot above	E5D
E5B1		STOKOE COMBINING TWO DOTS ABOVE	
5500		$\rightarrow$ 0308 ° combining diaeresis	E5D
E5B2		STOKOE COMBINING THREE DOTS ABOVE	
	~	$\rightarrow$ 20DB $^{\circ}$ combining three dots above	E5D
E5B3		STOKOE COMBINING CIRCUMFLEX ABOVE	
	Y	$\rightarrow$ 0302 ° combining circumflex accent	E5D
E5B4		STOKOE COMBINING CARON ABOVE	
E5B5	>	→ 030C ° combining caron STOKOE COMBINING RIGHT ARROWHEAD ABOVE	E5D
EODO		• LIS: closing	E5D
		$\rightarrow$ 0350 ° combining right arrowhead above	Ur
E5B6	ं	STOKOE COMBINING LEFT ARROWHEAD ABOVE	E5C
LJDU		$\rightarrow$ 1DFE ° combining left arrowhead above	LUL
E5B7	ੰ	STOKOE COMBINING INVERTED BREVE ABOVE	E5D
LODI		• LIS: curved	200
		$\rightarrow$ 0311 ° combining inverted breve	E5D
E5B8	ੋ	STOKOE COMBINING MACRON ABOVE	
		$\rightarrow$ 0304 $$ combining macron	
E5B9	ਹ	STOKOE COMBINING EQUALS SIGN ABOVE	DS
E5BA	ॅ	STOKOE COMBINING CRUMBLING ABOVE	E5E
	_	• LIS: crumbling	E5E
E5BB		STOKOE COMBINING RIGHT HALF RECTANGLE	
2000		ADOVE	
2000		ABOVE	E5E
E5BC	<b>+</b>	ABOVE • LIS: rectangular STOKOE COMBINING UP TACK ABOVE	SS

	-	
С	$\odot$	STOKOE COMBINING UP TACK ABOVE

- SS: front
- STOKOE COMBINING UP TACH ਼ E5BD • HKSL

E5BE	ੇ	STOKOE COMBINING DOWN TACK ABOVE • SS: behind
E5BF	៊	STOKOE COMBINING WIDE BRIDGE ABOVE
		• SS: during → 20E9  combining wide bridge above
E5C0	្ទ	STOKOE COMBINING INVERTED WIDE BRIDGE ABOVE • SS: over
E5C1	ំ	STOKOE COMBINING DOUBLE VERTICAL LINE ABOVE
	0	• SS: next
E5C2		STOKOE COMBINING RING ABOVE
		• LIS: round
		$\rightarrow$ 030A ° combining ring above
E5C3	•	STOKOE COMBINING NUMBER SIGN ABOVE
_003	<i>.</i>	
		• LIS: closed
E5C4	$\underline{\circ}$	STOKOE COMBINING MACRON BELOW
		$\rightarrow$ 0331 _ combining macron below
E5C5	$\underline{\circ}$	STOKOE COMBINING EQUALS SIGN BELOW
	-	• LIS
		$\rightarrow$ 0347 _ combining equals sign below
5C6		STOKOE COMBINING LEFT ARROWHEAD BELOW
_300	्	$\rightarrow$ 0354 $\circ$ combining left arrowhead below
E5C7	्र	STOKOE COMBINING RIGHT ARROWHEAD BELOW
		$\rightarrow$ 0355 $\bigcirc$ combining right arrowhead below
<b>.</b>	- I	a such a la
ועוכ	aer	' symbols

	1CI	Symbols
E5D0		STOKOE DIVIDER-HANDSHAPE
		BSL uses a variant
E5D1		STOKOE DIVIDER-MOVEMENT
		• LIS
E5D2		STOKOE DIVIDER-1
		$\rightarrow$ 007C   vertical line
E5D3	I	STOKOE DIVIDER-1A
		• Stokoe 1965 n
E5D4	/	STOKOE DIVIDER-2
		$\rightarrow$ 002F / solidus
E5D5	+	STOKOE DIVIDER-3
		$\rightarrow$ 002B + plus sign
E5D6	:	STOKOE DIVIDER-4
		• ASL
E5D7	[	STOKOE LEFT SQUARE BRACKET
		• BSL: used in sig, not sure it is used elsewhere
E5D8	]	STOKOE RIGHT SQUARE BRACKET
		• BSL: used in sig, not sure it is used elsewhere
E5D9	(	STOKOE LEFT PARENTHESIS
E5DA	)	STOKOE RIGHT PARENTHESIS

# **nknown symbols** DB [↔] STOKOE UNKNOWN SYMBOL-1

arrowhead above	EODB	• Stokoe 1965 n
TED BREVE ABOVE	E5DC [≚]	STOKOE UNKNOWN SYMBOL-2 • SS
rted breve	E5DD '	STOKOE UNKNOWN SYMBOL-3
ON ABOVE		• SS
ron		
LS SIGN ABOVE BLING ABOVE	ESE0	TOWS and other movement symbols STOKOE MOVEMENT-REPEATED CIRCLE TO THE RIGHT
HALF RECTANGLE	E5E1 O E5E2 O	STOKOE MOVEMENT-LARGE CIRCLE STOKOE MOVEMENT- SMALL CIRCLE
CK ABOVE	M	ows and other movement symbols
	E5E3 →	STOKOE GRAPHIC MOVEMENT-REPEATED CONTACT
CK WITH LEFT DOT	E5E4	STOKOE GRAPHIC MOVEMENT-DIRECTION $\rightarrow$ 27F6 $\rightarrow$ long rightwards arrow

twards arrow STOKOE GRAPHIC MOVEMENT-DIRECTION WITH DISTINCT FINISH E5E5

E5E6	→» ↔	STOKOE GRAPHIC MOVEMENT-REPETITIVE
E5E7		STOKOE GRAPHIC MOVEMENT-BACK AND FORTH
E5E8	©	STOKOE GRAPHIC MOVEMENT-ALTERNATING
E5E9		STOKOE GRAPHIC MOVEMENT-ARC
E5EA	~~~~	STOKOE GRAPHIC MOVEMENT-GRADUAL
E5EB	5 .	STOKOE GRAPHIC MOVEMENT-WAVE
E5EC	)→ ~~~	STOKOE GRAPHIC MOVEMENT-ROTARY
E5ED	~~	STOKOE GRAPHIC MOVEMENT-ZIGZAG
E5EE	$\sim$	STOKOE GRAPHIC MOVEMENT-REPEATED
	76687	HANDSHAPE CHANGE
E5EF	~	STOKOE GRAPHIC MOVEMENT-MOVING CIRCULAR
E5F0	0	STOKOE GRAPHIC MOVEMENT-CIRCULAR
		$\rightarrow$ 27F2 $\bigcirc$ anticlockwise gapped circle arrow
E5F1	$\odot$	STOKOE GRAPHIC MOVEMENT-ALTERNATING
	)	CIRCULAR
E5F2	5	STOKOE GRAPHIC MOVEMENT-HAND ROTATION
E5F3	2	STOKOE GRAPHIC MOVEMENT-REPETITIVE HAND
	$\sim$	ROTATION
E5F4		STOKOE GRAPHIC MOVEMENT-GAMBLING ALTERNATING
E5F5	Ĩ	ALTERNATING STOKOE GRAPHIC MOVEMENT-FINGER WAVING
ESFS F5F6		
EDLQ	<u>~</u>	STOKOE GRAPHIC MOVEMENT-THUMB BY FINGERS
-		

## Control codes

- E5F7 ^{o1} E5F8 ^{r7} E5F9 ^{c1} STOKOE CONTROL OPEN STOKOE CONTROL THEN STOKOE CONTROL CLOSE