

## HQSYN16 - Task #3688

Task # 3669 (New): RA1a - Analysis and cataloguing of artifacts

### Separation of some phonemes into distinct phones

13.01.2016 15:14 - Matoušek Jindřich

<b>Status:</b>	Closed	<b>Start date:</b>	22.01.2016
<b>Priority:</b>	Normal	<b>Due date:</b>	20.11.2016
<b>Assignee:</b>	Matoušek Jindřich	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	RA1: Analysis of artifacts in synthetic speech		
<b>Description</b>			
Our current version of speech synthesis renders some "similar" phones in the same way (i.e. as a phoneme):			
<ul style="list-style-type: none"><li>voiced "ř" [R] and unvoiced "ř" [Q]</li><li>syllabic "r" [P] and normal "r" [r]</li><li>syllabic "l" [L] and normal "l" [l]</li><li>nasal "n" [n] and its velar variation [N]</li><li>nasal "m" [m] and its velar variation [M]</li></ul>			
<b>Subtasks:</b>			
Task # 3713: Send link to listening test on voiced "ř" [R] vs unvoiced "ř" [Q] to phone...			<b>Closed</b>
Task # 3720: Analyze unexpected results of listening test on voiced/unvoiced "ř"			<b>Closed</b>
Task # 3719: Listening test on voiced/unvoiced "ř"			<b>Closed</b>
Task # 3747: List of words containing syllabic / non-syllabic "r"			<b>Closed</b>
Task # 3748: List of words containing syllabic / non-syllabic "l"			<b>Closed</b>
Task # 3749: List of words containing alveolar "n"/ velar "N"			<b>Closed</b>
Task # 3750: List of words containing voiced / unvoiced "ř"			<b>Closed</b>
Task # 3751: List of words containing voiced / unvoiced "ch"			<b>Closed</b>
Task # 3763: Synthesize utterances with phonetically incorrect phoneme realizations			<b>Closed</b>
Task # 3844: Analyze utterances with phonetically incorrect phoneme			<b>Closed</b>
Task # 3734: Evaluate analysis of unexpected results of listening test on voiced/unvoic...			<b>Closed</b>
Task # 3921: Retranscribe ASF of voice Jan			<b>Closed</b>
Task # 3922: Synthesize utterances with phonetically incorrect phoneme realizations - v...			<b>Closed</b>
Task # 4058: Synthesize utterances with phonetically incorrect phoneme realizations - v...			<b>Closed</b>
Task # 4059: Synthesize utterances with phonetically incorrect phoneme realizations - v...			<b>Closed</b>
<b>Related issues:</b>			
Related to HQSYN16 - Task #3671: RA1c - Phonetic description of artifacts		<b>Closed</b>	<b>01.06.2016</b> <b>31.12.2016</b>

### History

#### #1 - 19.02.2016 12:34 - Matoušek Jindřich

- Target version changed from RA3: Phonetically justified parameters for speech synthesis to RA1: Analysis of artifacts in synthetic speech

#### #2 - 19.02.2016 12:36 - Matoušek Jindřich

- Parent task changed from #3676 to #3669

#### #3 - 11.12.2016 23:01 - Matoušek Jindřich

- Related to Task #3671: RA1c - Phonetic description of artifacts added

#### #4 - 20.02.2017 10:46 - Tihelka Dan

- Status changed from New to Resolved

- Assignee changed from Tihelka Dan to Matoušek Jindřich

Separation of phones finished for all Czech voices:

- mapping of [L,P,Q,N] removed, the derived diphones are kept separately
- mapping of [G] changed to [h]

Committed to SVN in rev.709.

**#5 - 20.02.2017 11:48 - Matoušek Jindřich**

- *Status changed from Resolved to Closed*