

Text-to-Speech Accuracy Testing – 2018

The information provided in this report presents the accuracy performance of the commercially available Text-to-Speech (TTS) products. Using an English language test corpus of over eighteen hundred phrases, each unit was tested, scored and the results tabulated. 11 TTS products were tested. Included were products from: **AT&T, Acapela Group; Amazon, Cepstral; CereProc, Google, Nuance; Microsoft; NeoSpeech, rSpeak Technologies and SelvasAI.** The test corpus (1,588 words/phrases) was segmented into categories which included: Number Handling; Homograph Handling; Handling of Words of Foreign Origin; Acronym Handling; Abbreviation Handling; Name Handling; and Address Handling and the test results were presented in these categories. The average score for all units tested was 80% correct. Overall scores ranged from 60.7% to 98.6% correct. Within a category, scores ranged from a low of 26.4% to a high of 100.0%. The products that were tested represented the latest available release of their product as of March, 2018.

		AT&T	Acapela Group	Amazon	Cepstral	CereProc	Google	Microsoft	NeoSpeech	Nuance	rSpeak Technologies	SelvasAI
Total Correct	N	1,024	1,504	1,551	1,146	1,436	964	1,224	1,518	1,128	1,566	1,515
	%	64.5	94.7	97.7	72.2	90.4	60.7	77.1	95.6	71.0	98.6	95.4

The testing (as well as the entire development of the test program) was funded entirely by Voice Information Associates. This makes the testing and the results that were obtained unique in that they are completely unbiased and independent of the influence of any of the vendors. They represent the most objective assessment of the relative accuracy of commercially available TTS products that existed as of March, 2018.

If you have additional questions, or would like to purchase a copy of this report, contact Walt Tetschner at 978-266-1966 or tetschner@aol.com