

Oregon County Vote Tally Equipment Summary¹

County	Vendor	Tabulator/ Tally Machine	Firm- ware version	Unity Modules ²	Version	Comments ³
Baker	Ryder/ES&S	M650	2.1.0.0	No		
Benton	Ryder/ES&S	M650	2.1.0.0	Yes ERM	3.0.1.0	
Clackamas	Ryder/ES&S	M650	2.1.0.0	Yes ERM	3.0.1.0	
Clatsop	Ryder/ES&S	M650	2.1.0.0	Yes ERM	3.0.1.0	BIM 7.4.2.0 EDM 7.4.4.0 ERM 7.1.2.1 HPM 5.2.4.0
Columbia	Ryder/ES&S	M650	2.1.0.0	Yes ERM	3.0.1.0	
Coos	Ryder/ES&S	M650	2.1.0.0	Yes ERM?	3.0.1.0	BIM 7.4.4.0 EDM 7.4.4.0 ERM 7.1.2.1 HPM 5.2.4.0
Crook	Ryder/ES&S	M650	2.1.0.0	No		
Curry	Hart Intercivic					
Deschutes	Ryder/ES&S	M650	2.1.0.0	Yes ERM	3.0.1.0	
Douglas	Ryder/ES&S	M650	2.1.0.0	Yes ERM	3.0.1.0	
Gilliam	Sequoia	ArcTech Eagle				Memory packs sent by Sequoia
Grant	Ryder/ES&S	M150	2.1.1.0	No		
Harney	Ryder/ES&S	M650	2.1.0.0	No		
Hood River	Ryder/ES&S	M650	2.1.0.0	Yes ERM	3.0.1.0	
Jackson	Ryder/ES&S	M650	2.1.0.0	Yes ERM	3.0.1.0	
Jefferson	Ryder/ES&S	M650	2.1.0.0	No		
Josephine	Ryder/ES&S	M650	2.1.0.0	Yes ERM	3.0.1.0	
Klamath	Ryder/ES&S	M650	2.1.0.0	Yes ERM	3.0.1.0	
Lake	Sequoia					
Lane	Sequoia	Optec 400Cs				
Lincoln	Ryder/ES&S	M650	2.1.0.0	No	Conflicting data	Unity
Linn	Ryder/ES&S	M650	2.1.0.0	Yes ERM	3.0.1.0	
Malheur	Ryder/ES&S	M150	2.1.1.0	No		
Marion	ES&S	Optec 4Cs		No		EMS 3.51, DOS based
Morrow	Ryder/ES&S	M650	2.1.0.0	No		
Multnomah	Ryder/ES&S	M650	2.1.0.0	Yes ERM	3.0.1.0	
Polk	Ryder/ES&S	M650	2.1.0.0	Yes ERM	3.0.1.0	
Sherman	Sequoia	Eagle Optec 2 or 3 – Ballots go to Sequoia for programming, abstracting results by hand from tape				
Tillamook	Ryder/ES&S	M650	2.1.0.0	Yes ERM	3.0.1.0	
Umatilla	Ryder/ES&S	M650	2.1.0.0	Yes ERM	3.0.1.0	
Union	Ryder/ES&S	M550	2.1.1.0	Yes ERM	3.0.1.0	
Wallowa	Ryder/ES&S	M150	2.1.1.0	No		
Wasco	Ryder/ES&S	M650	2.1.0.0	Yes ERM	3.0.1.0	
Washington	Ryder/ES&S	M650	2.1.0.0	Yes ERM	3.0.1.0	
Wheeler	Sequoia	Deli Optiplex GX270-P4 2.6		Yes ERM	3.0.1.0	
Yamhill	Hart Intercivic					

¹ Compiled by Secretary of State Elections Division in December 2007 based on survey of county election administrators.

² Unity Modules include Election Data Manager (EDM), ESS Image Manager (BIM), Hardware Program Manager (HPM), Election Reporting Manager (ERM), and Audit Manager. These are software programs that combine results from more than one vote tally machine. For example, large counties have several machines in operation during the election. But smaller counties may have only one or two vote tally machines and do not need this software. So a “No” answer is not a problem in this column.

³ The Sequoia Modules mentioned in comments column include BPS - Election Management/Ballot Prep, EMS – registration totals, and AERO – reports module