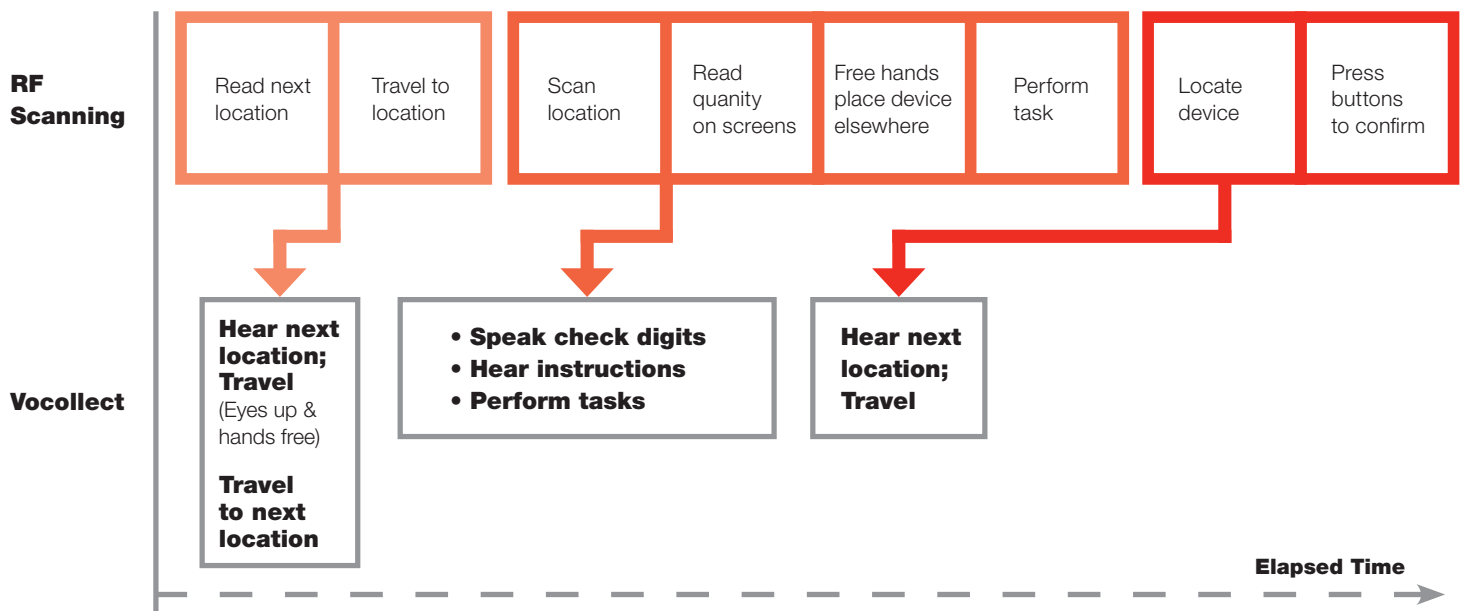# Voice vs RF Scanning

DEXION

Vocollect®
a business unit of *Intermec*

Vocollect Voice can provide clear increases in productivity and accuracy as well as a reduction in training time.

RF Scanning

Read next location	Travel to location		Scan location	Read quanity on screens	Free hands place device elsewhere	Perform task		Locate device	Press buttons to confirm

Vocollect

Hear next location; Travel (Eyes up & hands free) **Travel to next location**		• **Speak check digits** • **Hear instructions** • **Perform tasks**	**Hear next location; Travel**

→ Elapsed Time

Vocollect Advantage		
Accuracy Less errors: 2-4 less errors per 1,000	**Productivity** Increased throughput – 15-25+% gains	**Training** 50% reduction in end-user training

Voice vs RF Scanning

◉DEXION®

Real Customer* – Productivity Metrics vs Previous RF Scanning Approach

	RF Environment	Voice Environment	Improvement
Avg Hourly Pick Productivity	193	263	38%
Direct FTE's	9	9	0%
Indirect FTE's	10	4	60%
FTE Total	19	13	32%
Total Hours Per Shift	154	104	48%
Average Capacity – Belts	13,898	18,936	36%
Average Capacity – Orders	661	901	36%
Belts Per Hour	90.2	182.1	102%
Orders Per Hour	4.3	8.7	102%

*Source-Public Presentation from JDF Distribution. Inc., using Vocollect October 2009

Vocollect Voice Compared To...

	Paper and Labels	RF Scanning	Pick-to-Light
Productivity	Vocollect 10-15+% faster	Vocollect 15-25+% faster	Same
Accuracy	Vocollect 10-20 less errors per 1,000	Vocollect 2-4 less errors per 1,000	Vocollect 2-4 less errors per 1,000
Training	Vocollect reduced time by 60%	Vocollect reduced time by 50-55%	Similar training effort
Issues	• Lack of real-time associate visibility and and accountability • Lack of real-time inventory, people, system update • Difficult to batch-pick • Data entry errors • Labor and materials cost to handle paper • Not hands/eyes-free	• Average two weeks of training for associate to be self-sufficient • Operator is distracted; data entry, read, scan • Safety issues (Heads-down) • Not ergonomic • Not hands/eyes-free • Battery issues • Many points of failure (need to have back-up inventory of equipment)	• Inflexible • Expensive to add SKUs • Can't efficiently manage two order selectors in one zone • Difficult to batch-pick • Sized based on SKUs vs. people • Thousands of points of failure (we are talking about lights...)

About Dexion

Dexion is a specialist in designing smart distribution solutions and integrating them into a customer's business, all the while ensuring the planned benefits are realised. We bring together distribution functions and materials handling equipment with sophisticated software to build systems that increase productivity and profitability. What makes Dexion's way unique is the way in which we work with our customers – building a strong relationship based on respect, shared knowledge and ongoing support.

About Vocollect

Vocollect, a business unit of Intermec, is the number o ne provider of voice solutions for mobile workers worldwide, helping customers achieve a higher level of business performance through voice. Every day Vocollect enables over 400,000 workers worldwide to distribute more than $4.0 billion dollars' worth of goods from distribution centers and warehouses to customer locations, in 60 countries and in over 35 languages. Vocollect integrates with all major WMS and ERP systems, including SAP, and supports the industry's leading mobile device solutions.