

Test Plan Document

1.1 Farmer Agenda

Table 1.1 Farmer Agenda Functionality

Farmer Agenda	Test type				
	Unit/unitary	Performance	Volume	Regression	User acceptance
Test type requirement	Required	Optional but not recommended	Optional but not recommended	Not required	Required
System environment	Development	/	/	/	Quality
Team	Project team	/	/	/	Customer team
Rationale	test functionalities of separate components during/after development	No big data or traffic expected	No big data or traffic expected	no existing functionality to benchmark	test user acceptance during implementation; esp. check network and devices availability for end-users

1.2 Farmer Bookkeeper

Table 1.2 Farmer Bookkeeper Functionality

Farmer Bookkeeper	Test type				
	Unit/unitary	Performance	Volume	Regression	User acceptance
Test type requirement	Required	Optional but not recommended	Optional but not recommended	Not required	Required
System environment	Development	/	/	/	Quality
Team	Project team	/	/	/	Both
Rationale	test functionalities of separate components during/after development	No big data or traffic expected	No big data or traffic expected	no existing functionality to benchmark	test user acceptance during implementation; esp. check network and devices availability for end-users

1.3 Crop Planner

Table 1.3 Crop Planner Functionality

Crop Planner	Test type				
	Unit/unitary	Performance	Volume	Regression	User acceptance
Test type requirement	Required	Optional but not recommended	Optional but not recommended	Not Required	Required
System environment	Development	/	/	/	Quality
Team	Project team	/	/	/	Both
Rationale	test functionalities of separate components during/after development	No big data or traffic expected	No big data or traffic expected	replace existing functionality but old function remains available	test user acceptance during implementation

1.4 Fleet Planner

Table 1.4 Fleet Planner Functionality

Fleet Planner	Test type				
	Unit/unitary	Performance	Volume	Regression	User acceptance
Test type requirement	Required	Optional but not recommended	Optional but not recommended	Not Required	Required
System environment	Development	/	/	/	Quality
Team	Project team	/	/	/	Both
Rationale	test functionalities of separate components during/after development	No big data or traffic expected	No big data or traffic expected	replace existing functionality but old function remains available	test user acceptance during implementation

1.5 Shipments Planner

Table 1.5 Shipments Planner Functionality

Shipments Planner	Test type				
	Unit/unitary	Performance	Volume	Regression	User acceptance
Test type requirement	Required	Optional but recommended	Optional but not	Not Required	Required

			recommended		
System environment	Development	/	/	/	Quality
Team	Project team	/	/	/	Both
Rationale	test functionalities of separate components during/after development	No big data or traffic expected, but need to check efficiency for real-time processing	No big data or traffic expected	replace existing functionality but old function remains available	test user acceptance during implementation; esp. on capture and usage of GPS/transponder data across different locations

1.6 Farming Planner

Table 1.6 Farming Planner Functionality

Farming Planner	Test type				
	Unit/unitary	Performance	Volume	Regression	User acceptance
Test type requirement	Required	Optional and recommended	Optional but not recommended	Not Required	Required
System environment	Development	Quality	/	/	Quality
Team	Project team	Project team	/	/	Both
Rationale	test functionalities of separate components during/after development	No big data or traffic expected, but need to check efficiency for real-time processing	No big data or traffic expected	replace existing functionality but old function remains available	test user acceptance during implementation; esp. on capture and usage of sensor data across different locations