- 12. Does each integration test cover the relevant interfaces sufficiently?
- 13. Does each integration test cover the relevant features which that build level represents, to give you confidence that the build is worth continuing?
- 14. Do you have a sufficient regression test for each integration step?

B.17 System Test Review Checklist

- 1. Is the system test preparation and execution planned to allow sufficiently for overruns?
 - a. Is there a sufficient number of system test cycles built in?
 - b. Has sufficient time been allowed for bug fixing in between?
- 2. Has the system test documentation been checked to ensure that all the requirements of the requirements specification have been tested and are met?
- 3. Is every requirement matched by one or more system tests?
- 4. Is every system test traceable to some requirement?
- 5. Have all the test objectives been reviewed?
- 6. If part of a multiply-redundant system fails under test?
 - a. is the root cause of failure established?
 - b. are similar items inspected for a similar potential cause of failure?
- 7. Is there sufficient independence in the testing of diverse equipment and functions?
- 8. Is there a software system test on host specification? Does it ensure that there are criteria for the test coverage (for example, is each control flow path through the program tested to ensure that each statement is executed at least once)?
- 9. If not, that the coverage of the tests is known?
- 10. Is graceful degradation test of the system in all modes tested for?
- 11. Is fault tolerance test of the system in all modes tested for?
- 12. Do you have tests of inter-system data transfer?
- 13. If you have to integrate with existing systems, do you have:
 - a. definitions of the interfaces with the other systems?
 - b. the requirements specifications of the other systems?
 - c. definitions of the dataflowing across these interfaces?
 - d. stubs, drivers or other harnesses to simulate the interfaces with these other systems?
- 14. Do you have definitions of all business processes which your system supports? Can you identify which processes trigger which system features?
- 15. Do you have copies of sufficient test data? Have you validated it?
- 16. Are any data structure changes proposed before go-live?
- 17. Do you have a simple database test which writes a record, reads it back and compares it, updates it and compares it, and finally deletes it and checks that it no longer exists?
- 18. Has training been given, appropriate to the risks to be carried out and the staff involved?
- 19. Are testing and commissioning procedure sufficiently explicit in their detail so that they do not leave interpretations or important decisions to be made by testing and commissioning staff?

B.18 Operations Acceptance Checklist

Table B.2 is included for completeness because it marks the limit of the responsibility of the test manager. Unless testing has an exceptionally-wide remit, the test process is over once section 2.7 is complete. It identifies a number of quality gates. You might want to add more.

TABLE

Project

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TABLE B.2 Operations acceptance checklist

 Syste 	m document	ation		Owner	Date	Pass ^a
No.	Support	Requirement	Comments	Owner	Date	1 433
.1		Physical deployment design				
		signed-off				
.2		Project installation specification				
		signed-off				
1.3		Site guide signed-off				
1.4		Run book/Operations guide				
		signed-off				
1.5		Training documentation complete				
1.6		Work instructions complete				
1.7		Other documents complete	200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 -		CONTRACTOR	
2. Syst	em summary	Section (International Property of the Company)			D :	Pass
No.	Support	Requirement	Comments	Owner	Date	Pass
2.1		Requirements specifications				
		signed-off				reported them of Deleting and
2.2		Network diagram (all components				
		and connectivity) signed-off				****
2.3		System overview (Management				
		summary), trouble shooting,				
		Support & Escalation guide,				
		alerting and Management systems				
		guide signed-off			MANAGEMENT OF THE PARTY OF THE	
2.4		Hardware list (including server				
		names, IP addresses, DNS names,				
		network components, disk details,				
		licenses) signed-off	1			
2.5		Software list (including O/S,				
		databases, versions, licenses),				
		assets register updated signed-off				CORRES - DO - DO - DAY DAY COM
2.6		Customer base profile (total users,				
		concurrent users, geography, key				
		times, key contacts) signed-off				A CONTRACTOR OF THE OWNER, THE OW
2.7		All testing undertaken and				
		signed-off				
2.7.1		Unit testing complete				
2.7.2		System testing complete				
2.7.3		Reliability testing complete				
2.7.4		Performance testing complete				
2.7.5		User acceptance testing complete		•		
2.7.6		Load testing complete				
2.7.7		Security testing complete				
2.7.8	CONTRACTOR OF THE PARTY OF THE	Operations testing complete			ALL MANUAL PROPERTY AND ADDRESS OF THE PARTY A	
2.7.9		Business continuity/disaster				
		recovery testing complete				
2.8		Ownership (service, product/				
		business owners & other key				
		individuals) identified and agreed				
2.9		Is a business continuity plan/				
		disaster recovery plan delivered				
		with this project, or "back out"				
		specified if not?			NAME OF TAXABLE PARTY.	

TABLE B.2 Operations acceptance checklist (continued)

2.10		FFT (fitness for launch) date				-
		defined and agreed with				
		Operations				
2.11		Systems cabinets labeled on the				
		server floor; floor plan updated				
2.12		System test packs complete				
2.13		Operations notified of the change/	Breisser and Inch	Distant being		
		go-live				
3. In	stallation				*****	
No.	Support	Requirement	Comments	Owner	Date	Pass
3.1		Installation guide complete and		Owner	Date	F 455
		signed-off				
3.2		Security & compliance review				
		complete				
4. Ro	outine operatio	n.				
No.	Support	Requirement	Comments	Owner	Date	Pass
4.1		Operations support requirements		OWIE	Date	F 455
		defined (including third party);				
		support rosters available				
1.2		Timetable and explanation of				
		business-critical scheduled jobs/				
SCOR STREET		tasks (including housekeeping)				
1.3		Database recovery procedures	, 118121			
		specified (including times and data		M bourgations		
		timeliness considerations)				
.4		Security administration (types of				
		user, access levels, authorizations,				
		meets Operations standards)				
.5		User administration specified and			1	
		agreed with Operations				
1.6		Data retention guidelines specified				
		and agreed with Operations	no testice beat pu			
.7		Training provided for all relevant				
		groups	THE RESIDENCE AND A			
.8		Maintenance window defined and			The same of the sa	
CHI DECIDED		agreed with Operations	the residence			
.9		System remote access method				THE MEMORINA APPROXIMATION
		agreed with Operations				
.10		Routine (weekly/monthly/yearly)				
		procedures defined and				
11		Operations schedules amended		TABINET IN		
.11		Customer alerting processes				
		defined and agreed with				
12		Operations		unit Atquisi		
12		Media/tape requirements created				4
		and labeled, back up procedures &				
		on-/off-site media storage				
14		procedures defined				
14		Service monitoring/reporting				
		(who, when, for whom) agreed				
Fve	eption condition	with Operations		or Vermontal Comment		9000 - 1000 mm
0.	Support	Requirement	C		1000	31
1	Support	All critical processes and	Comments	Owner	Date	Pass
•						
2		dataflows identified				
		All critical processes and dataflows alerted				-
3		All Critical alerts have actions to				
		A SULLING ALEL IS HAVE ACTIONS TO				

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6. Capacity p	lanning				
No. Supp	port Requirement	Comments	Owner	Date	Pass
6.1	Capacity group enga system/platform plac watch"				
6.2	System scaling and li	mits defined			The second second
Signatories	Name	Signature			Date
Project mana	nger				
Test manager	T				
Operations n	nanager				
Other					

^a Y(es), N(o), DMP (Defect Management Plan).

B.19 Metrics Checklist

- 1. Have you asked the big metrics questions:
 - a. How is the quality of the product to be measured?
 - b. How is the test performance to be measured?
 - c. How is the development process to be measured?
 - d. How is customer satisfaction to be measured?
 - e. How will release readiness be determined?
- 2. Do you have a set of questions agreed with project management which can be answered by metrication?
- 3. Do you have a metrics plan to answer these questions?

B.20 Very Wonderful New Approaches Checklist

You will occasionally be asked to adopt some Very Wonderful New Approach. Here are some awkward questions to pose first:

- 1. Has someone bothered defining a process model of this approach complete with inputs and outputs?
- 2. What will it cost me to get the inputs?
- 3. What will the outputs buy me? How many man-days will this save?
- 4. Who else needs these outputs?
- 5. How is this better than what I am doing at present?
- 6. Does this approach have tool support? All of it? How much?
- 7. Has anyone written a paper on this? Is there a manual?
- 8. Has anyone ever used this in industry? Are they still in business?

Here are some totally irrelevant answers:

- 1. X promotes this.
- 2. I want you to try this.
- 3. We need to sharpen up our approach.
- 4. We need more rigor.
- 5. The CEO/Board wants ...
- 6. It's a new approach.
- 7. Haven't you read ...?