			A = 011.0	A 하이 메		문서번호				
	Solut	tion	소프트웨이			개정번호				
			검증	召召共		페이지		1 / 4	1	
사업	(용역)명			단계		설계요건 단	·계			
문	서제목			문서(식별)번호				개정	<u> </u> 호	
No				항목					결과	
A-1	General							Yes	No	N/A
1	Are the re	equirem	nent documents co	mplete?						
2	Are the re	equirem	nents correct?							
3	Are the re	re the requirement documents consistent and compatible?								
4	Are the re	re the requirement documents consistent and compatible? The requirements clear and unambiguous?								
5	Are the re									
6	Are the re	re the requirements feasible? re the requirements testable and related to performance goals?)			
7	Are the co	oncept	documents marke	d per Traceabilit	y F	Requiremen	ts?			
8		-	ments documents aceability tool?	s properly ente	red	d into the	Software			
9	Are the recomplete	-	nents for interfacin	g with other eq	uip	oment cons	istent and			
10	Are Huma	an Mac	hine Interface requ	irements addres	sse	d?				
11	Are proce	ess or d	igital data input re	quirements ider	ntif	ied properly	y?			
12	Are initial	ization	requirements iden	tified?						
13	Are in-ser	rvice te	st or diagnostic ca	pabilities define	d?					
A-2	Traceabi	lity Ana	<u>alysis</u>					Yes	No	N/A
1	Are the relationships between each software requirement and its system requirement correct?				its system					
2	Are the relationships between the software and system requiremen specified to a consistent level of detail?				uirements					
3	specified to a consistent level of detail? Is every software requirement traceable to a system requirement w sufficient detail to show conformance to the system requirement?									

			. — — 011.0			문서번호				
S	Soluti	ion	소프트웨어 검증 점			개정번호				
			10 1	36#		페이지		2 / 4		
사업	(용역)명			단계		설계요건 단	·계			
문	서제목			문서(식별)번호				개정번.	호	
No				항목				길	<u></u> 결과	
A-2	Traceabil	ity An	alysis					Yes N	No	N/A
4	Are all sys requireme		equirements related	to software trac	cea	able to soft	ware			
5	Are the sy specified b	tely								
A-3	Software	Requ	irements Evaluation					Yes N	No	N/A
1		vithin	e requirements satisf the assumptions, co	-	•					
2			e requirements compicies, physical laws,	-						
		ith do	ces of states and stand comain expertise, pro Ther basis?	J	_	•	ata flows			
4	Do the flo		data and control sat	isfy functionality	y a	nd perform	ance			
5	ls data usa	age a	nd format correct?							
6	Are all ter	ms ar	nd concepts docume	ented consistent	ly?					
/	Are the function interactions and assumptions consistent? and do SRS satisfy system requirements and acquisition needs?						o SRS			
8	Is there internal consistency between the software requirements and external consistency with the system requirements?					and				
9	Are the Functionality (e.g., algorithms, state/mode definitions, input/output validation, exception handling, reporting and logging) in the SRS or IRS, within the assumptions and constraints of the system?					•				

1			. — — 011.0			문서번호						
S	Solut	ion	소프트웨어 건조 7			개정번호						
			검증 점	36#		페이지		3 / 4	1			
사업	l(용역)명			단계		설계요건 단	·계					
문	서제목			문서(식별)번호				개정법	<u></u> 보호			
No				항목					결과			
A-3	Software	Requ	irements Evaluation					Yes	No	N/A		
10			definition and sche d constraints of the	•	RS	or IRS, with	in the					
11	precision,	erformance criteria (e.g., timing, sizing, speed, capacity, accordance safety, and security) in the SRS or IRS, within the assumption traints of the system?										
12		traints of the system? ritical configuration data in the SRS or IRS, within the ons and constraints of the system?										
13			re, software, and use assumptions and co				e SRS or					
14	transactio	n and	device, and software state monitoring, so d constraints of the	elf-testing) in th			within the					
15	Do SRS ar	nd IRS	satisfy specified co	nfiguration man	ag	jement proc	edures?					
16	1		omputational, and in y the requirements			_	ion and					
17			d physical phenome nd physical laws?	na conform to s	sys ⁻	tem accurad	Cy					
18	1	e documentation legible, understandable, and unambiguous to t ded audience?					to the	he 📗 🗆 🛭				
19	Dose the documentation defines all acronyms, mnemonics, abbreviation terms, and symbols?					eviations,						
20	Are there the SRS a	•	tive acceptance crite S.	eria for validatin	g t	the requiren	nents of	ts of				

[양식 0501-01] 소프트웨어 확인 및 검증 점검표(설계요건 단계)

소프트웨어 확인 및 건정번호 검증 점검표							_		_	
Ą	Solut	ion				개정번호				
			(15 16 	36#		페이지		4 / 4	4	,
사입	(용역)명			단계	,	설계요건 단	·계			
문	서제목			문서(식별)번호				개정법	비 호	
No				항목					결과	1
A-4	Interface	Analy	<u>/sis</u>					Yes	No	N/A
1	Are the excorrect?	kterna	l and internal syster	n and software i	nte	erface requi	rements			
2 Are the interface descriptions consistent between the SRS and IRS?										
Is each interface described and includes data format and performance criteria (e.g., timing, bandwidth, accuracy, safety, and security)?										
4 Dose each interface provides information with the required accuracy?										
5			bjective acceptance	criteria for valida	atii	ng the inter	face			
requirements? <u>비고 또는 주석</u>										
독립검토자((Independent Reviewer) 성명 서명							일	자		

			. — — 011 4			문서번호				
Y	Solu	tion	_	거 확인 및		개정번호				
			검증	점검표		페이지		1 / 4	1	
사입	섭(용역)명			단계		설계 단계				,
문	-서제목			문서(식별)번호				개정변	^번 호	
No				항목					결과	
B-1	Generals							Yes	No	N/A
1	Are the d	esign d	ocuments comple	te?						
2		re the design document(s) properly entered into the Software equirements Traceability tool? re the design document(s) marked per Traceability Requirements?								
3	Are the d	re the design document(s) marked per Traceability Requirements?								
4	Is the des	the design traceable to the requirements?								
5	Is the des	the design traceable to the requirements? the design complete?								
6	Is the des	ign cor	rect?							
7	Is the des	ign inte	ernally consistent?							
8	Is the des	ign clea	ar and unambiguo	us?						
9	Is the des	ign feas	sible?							
10	ls softwar	e archit	ecture adequately	addressed?						
11	Are input,	output/	interfaces adequa	itely addressed?						
12	Is the test	ability o	of the system ade	quately addresse	ed	(e.g. respon	ise time)?			
13	ls algorith	ım desi	gn adequately ado	dressed (e.g. bas	e f	unctions ad	ldressed)?			
14	Is information flow adequately addressed (communication between subsystems, data management and signal conversion to engineering units?)									
15	ls Human	Factors	Engineering adec	quately addresse	d?					
16	Are operating modes/sequences adequately addressed (e.g. initialization startup, test system mode of operation)?				alization,					
17	Does the	design	adequately addres	ss potential haza	rd	s?				

			. — — 0" -			문서번호				
Y	소프트웨어 확인 및 개정번호 검증 점검표 페이지									
			심당 '	임검표		페이지		2 / 4	1	
사업	(용역)명			단계		설계 단계				
문	서제목			문서(식별)번호				개정병	번호	
No				항목					결과	
B-2	Traceabil	ity Ana	lysis					Yes	No	N/A
1		e relationship between each design element and the software lirement(s) correct? the relationships between the design elements and the software								
2		e the relationships between the design elements and the software quirements specified to a consistent level of detail?								
3	Are all de:	re all design elements traceable from the software requirements?								
4	Are all sof	re all design elements traceable from the software requirements? The all software requirements traceable to the design elements?								
B-3	Software	Desigr	Evaluation					Yes	No	N/A
1	Does the	softwar	e design satisfy th	e software requ	ire	ments?				
2			e design comply v laws, and business		efe	erences, reg	ulations,			
3		ıpled v	equences of states vith domain expe er basis?			5 5				
4	Do the fl requireme		data and control	satisfy function	nal	ity and pe	rformance			
5	ls data us	age and	d format correct?							
6	ls design :	method	ds and standards u	sed appropriate	?					
7	Are all ter	ms and	design concepts	documented co	ารi	stently?				
8	Is there internal consistency between the design elements and external consistency with architectural design?						xternal			
	validation,	, except	.g., algorithms, sta tion handling, repo and constraints of	orting and loggi		•	•			

4			. — — 011.6			문서번호				
Y	Solu	tion		거 확인 및 저거교		개정번호				
			급급 `	점검표		페이지		3 / 4	ļ.	
사업	l(용역)명			단계		설계 단계				
문	서제목			문서(식별)번호				개정변	^번 호	
No				항목					결과	
B-3	Software	Design	<u>Evaluation</u>					Yes	No	N/A
10	·		nition and scheduli of the system?	ing in the SDD, v	wit	hin the assi	umptions			
11		ware, software, and user interface descriptions in the SDD, was mptions and constraints of the system?								
12	precision,	sumptions and constraints of the system? erformance criteria (e.g., timing, sizing, speed, capacity, accuracy, on, safety, and security) in the SDD, within the assumptions and aints of the system?								
13	Are critica constraint	_	guration data in the system?	e SDD, within th	ie a	assumption	s and			
14	and state	monito	ce, and software co oring, and self-testion of the system?	J						
15	Do the SE		IDD satisfy specifi	ed configuration	m	nanagement	t			
16	•	_	nputational, and ir the requirements	•		•	ion and			
17	Do the m	odeled	physical phenomed physical laws?	-			cy			
18	Is the doc	documentation legible, understandable, and unambiguous to the					to the			
19	Does the documentation define all acronyms, mnemonics, abbreviations terms, symbols, and design language, if any?					viations,				
20	Are there objective acceptance criteria for validating each software design									

			. — — 011.6			문서번호				
소프트웨어 확인 및 개정번호 검증 점검표 페이지										
			심당	임검표		페이지		4 / 4	4	
사입	법(용역)명			단계		설계 단계				
문	서제목			문서(식별)번호				개정법	번호	
No				항목					결과	1
B-3	Software	Desigr	n Evaluation					Yes	No	N/A
21	Is each so	ftware	design element te	stable to objecti	ve	acceptance	criteria?			
B-4 Interface Analysis								Yes	No	N/A
Is the external and internal software interface design in the context of system requirements correct?										
2 Is the interface design consistent between the SDD and IDD?										
3			ce described and eria (e.g., timing, ba							
4	Does each	n interfa	ace provide inform	ation with the re	equ	uired accura	acy?			
5	Are there	objecti	ve acceptance crite	eria for validatin	g t	the interface	e design?			
비고 또는 주석										
독립검토자((Independent Reviewer) 성명 서명						일	자			

			. — — 011 6			문서번호				
	Solu	tion		거 확인 및		개정번호				
			검당	점검표		페이지		1/5	5	
사입	섭(용역)명			단계		구현 단계				
문	·서제목			문서(식별)번호				개정	번호	
No				항목					결과	
C-1	<u>General</u>							Yes	No	N/A
1	Does the	source	code conform to s	specified standa	ds	and proced	dures?			
2	Is the sou	the source code traceable to the functional design requirements?								
3		s the source code traceable to the functional design requirements? Are the comment statements provided sufficient to give an adec description of each routine and data structure?								
4	Is the sou	escription of each routine and data structure? the source code understandable?								
5	Is the sou	the source code understandable? the source code consistent with the design?								
6	Are all the									
7	Is there sa	atisfacto	ory error checking?							
8	implemen	itation (software hazards of prevention and, raint, Non-Critical	or control tech	niq	jues (e.g. Lo	_			
9	Do all sub	oroutine	e calls transfer data	a variables corre	ctl	y?				
10	Is the da		rectly passed bet stems?	ween unit, moo	dul	le and/or i	ntegrated			
11	Do the da		modules adequate	ely and correctly	ref	flect the pro	gram and			
12	Do module test reports (and unit test reports, if applicable) indicate coexecution of critical software elements?						cate correct			
13	Do procedures exist (as necessary) to: a. Configure the application programming tool(s)?									

			. — — 011 6			문서번호				
P	Solu	tion		거 확인 및 점검표		개정번호				
				864		페이지		2 / 5	5	
사업	l(용역)명			단계	_	구현 단계				
문	서제목			문서(식별)번호				개정변	^{번호}	
No				항목					결과	
C-2	Traceabil	lity Ana	lysis					Yes	No	N/A
1	Are the elements		nships between s ?	ource code co	m	oonents ar	nd design			
2	Are the relationships between the source code components and deselements specified to a consistent level of detail?									
3	Is every source code components traceable from the design elements?									
4	Are all design elements traceable to the source code components?									
5	Verify that		is a valid relationsh Iures.	nip between the	V8	≀V test plan	s, designs,			
6	Verify tha	t all V8	V test procedures	are traceable to	th	ne V&V test	t plans.			
C-3	Source c	ode an	d source code doc	cumentation eva	lua	<u>ition</u>		Yes	No	N/A
1	Does the	source	code component :	satisfy the softw	are	e design?				
2			code component ies, physical laws,				eferences,			
3		vith dor	es of states and st main expertise, pro	•	_	•				
4	Do the flow of data and control satisfy functionality and performan						rformance			
5	Is data usage and format correct?									
6	Are the appropriateness of coding methods and standards?									
7	Are all terms and concepts documented consistently?									
8	8 Is there internal consistency between the source code components?						nts?			
9										

1.020			. — — 011 6			문서번호				
	소프트웨어 확인 및 개정번호 검증 점검표 페이지 대정번호 대정번호 파이지 단계 구현 단계									
			급 등 '	검검표		페이지		3 / 5	5	
사업	(용역)명			단계	-	구현 단계				
문	서제목			문서(식별)번호				개정변	번호	
No				항목					결과	
C-3	Source c	ode an	d source code doc	cumentation eval	ua	ntion_		Yes	No	N/A
10	validation,	he Functionality (e.g., algorithms, state/mode definitions, input/oudation, exception handling, reporting and logging) in the source on the assumptions and constraints of the system?								
11		re the Process definition and scheduling in the source code, within sumptions and constraints of the system?								
12		e the Hardware, software, and user interface descriptions in the so de, within the assumption and constraints of the system?								
13	precision,	safety,	ance criteria (e.g., t and security) in th of the system?				-			
14			configuration date		ırc	e code, w	vithin the			
15	and state	e mon	device, and softwa itoring, self-testin constraints of the	ng) in the sou						
16	Does som		code documentat ocedures?	ion satisfies s	ре	ecified con	figuration			
17	Do the logic, computational, and interface precision (e.g., truncation rounding) satisfy the requirements in the system environment?						ation and			
18	Do the modeled physical phenomena conform to system accur requirements and physical laws?						accuracy			
19	requirements and physical laws? Is the documentation legible, understandable, and unambiguous to									

						문서번호				
	Solu	tion	_	거 확인 및 저거교		개정번호				
			검증 ⁷	224		페이지		4 / 5		
사업	(용역)명			단계	-	구현 단계				
문	서제목			문서(식별)번호				개정변	<u> </u> 보호	
No				항목					결과	
C-3	Source c	ode an	d source code doc	cumentation eval	ua	<u>ition</u>		Yes	No	N/A
20	Dose the documentation defines all acronyms, mnemonics, abbreviation terms, and symbols?									
21	terms, and symbols? Are there objective acceptance criteria for validating each source component?									
22	Are the acceptanc		source code com ia?	nponent is test	ab	le against	objective			
C-4	Interface	Analys	<u>is</u>					Yes	No	N/A
1			and internal systen		e i	nterface co	de in the			
2			codes consistent aces (i.e. hardware							
		nat and	described? And I performance crit ity)?			•		_		
4										
5	Are there are objective acceptance criteria for validating the interface co						ace code?			
C-5	Compon	ent V&	V test execution					Yes	No	N/A
1		•	er's component t acceptance criteria		eri	ify that the	software			

[양식 0501-03] 소프트웨어 확인 및 검증 점검표(구현 단계)

Solution	. — — 011 6	N ±101 F1		문서번호			
Solu	tion		거 확인 및 점검표		개정번호		
		60	33 <u>4</u>		페이지	5 / 5	
사업(용역)명			단계	-	구현 단계		
문서제목			문서(식별)번호			개정번호	
No			항목			결과	
NO 비고 또는 주석							
폭닙검도사((l	indepen	ident Reviewer)	 성명		 서명	 일자	

						문서번호			
	Solu	tion		서 확인 및		개정번호			
			검증	점검표		페이지		1/2	
사업	(용역)명			단계	,	시험 단계			
문	서제목			문서(식별)번호				개정번호	
No				항목				결괴	-
D-1	General							Yes No	N/A
1	Is the Tes	s the Test Plan description complete?							
2	Are the test case definitions adequate and complete?								
3	Is each te	stable r	equirement adequ	ately covered?					
4	Is the plai	n for ev	aluating and repo	rting test results	ac	dequate?			
5	Does the software)?	•	in specify the requ	ired test enviror	ım	ent (hardwa	are or		
6	Have all t	he elem	nents of an integra	ted program be	en	identified?			
7	Does the	plan re	quire a test case lo	og?					
8	' "	to verif	ntenance changes, y that the modifica ode?	·		•			
9	Do the te	st resul	ts comply with the	format specifie	d i	n the Test F	Plan?		
10	Do the te		ts provide an accu	rate statement c	of t	the testing			
11	Has each	section	of the test proced	dure been comp	let	ed accurate	ly?		
12	Have all test cases been executed correctly?								
13	Have test results been evaluated as acceptable?								
14	Does the test report provide a summary of test results and								

						문서번호				
	Solu	tion	소프트웨0			개정번호				
	_		검증	점검표		페이지		2 / 2	2	
사업	(용역)명			단계	,	시험 단계				
문	서제목			문서(식별)번호				개정년	번호	
No				항목					결과	
D-1	General							Yes	No	N/A
15	Have any deviations from the test plan or expected test results (criterial been properly documented in test exception reports?									
16	For program maintenance changes, have adequate regression tests bee									
D-2	Traceabil	lity Ana	lysis					Yes	No	N/A
1	Is there a and proce		elationship betwee	n the V&V test	pla	ıns, designs	, cases,			
2	Are all V8	kV test	procedures traceal	ble to the V&V	tes	t plans.				
D-3	System \	/&V tes	st execution					Yes	No	N/A
1		•	er's system test res nce criteria.	sults to verify tha	at 1	the software	e satisfies			
D-4	integration	on V&V	/ test execution					Yes	No	N/A
1		•	er's integration tes acceptance criteria		y t	hat the soft	ware			
비고	. 또는 주식	<u>넉</u>								
독립검토자((Independent Reviewer) 성명 서명								일	자	

소프트웨어 확인 및 문서번호 가정번호 개정번호										
	Solu	tion				개정번호				
			심당 1	점검표		페이지		1 / 8		
사업	(용역)명			단계		시험계획				
문	서제목			문서(식별)번호				개정번	호	
No				항목				- 1	<u></u> 결과	
E-1	Software	integri	ty levels 1 and 2					Yes	No	N/A
1			project-defined tes Std. 829-1998)	st document pu	rpc	ose, format,	and			
2	Test cove	est coverage of system requirements								
3	Appropria	Appropriateness of test methods and standards used								
4	Conformance to expected results									
5	Feasibility	of syst	em qualification te	esting						
6	Capability	to be	operated and mair	ntained						
7	Traceable	to the	system requireme	nts						
8	External c	onsiste	ncy with the syster	n requirements						
9	Internal co	onsister	ncy							
10	Test cove	rage of	the software requ	irements						
11	Appropria	iteness	of test standards a	and methods						
12	Feasibility	of soft	ware qualification	tespting						
13	Feasibility	of ope	ration and mainte	nance						
14	Traceable	to the	software requirem	ents and design						
15	External c	onsiste	ncy with the softw	are requirement	s a	and design				
16	Internal consistency between unit requirements									
17	Test coverage of units									
18	8 Feasibility of software integration and testing									
E-2	Test plan identifier						Yes	No	N/A	
1	A test plan shall have the unique identifier assigned to this test plan					olan				

			. — — 011 0			문서번호				
	Solut	tion	소프트웨 ⁰ 검증 ⁷			개정번호				
			110	224		페이지		2 / 8	3	
사업	(용역)명			단계		시험계획				
문	서제목			문서(식별)번호				개정변	번호	
No				항목					결과	
E-3	Introduct	tion						Yes	No	N/A
	features to The necessory The nece	A test plan should have summary of the software items and softwatures to be tested The need for each item and its history may be included. A test plan should references to the following documents a) Project authorization; b) Project plan; c) Quality assurance plan; d) Configuration management plan; e) Relevant policies; f) Relevant standards.								
2	In multile higher-lev		t plans, each lowe	r-level plan mus	t r	eference the	e next			
E-4	Test item	<u>1S</u>						Yes	No	N/A
1	level. Also impact ha transforma	it shal rdware ations l	Identify the test ited is pecify characterical requirements or in perfore testing can tape to disk).	stics of their tra	nsı d fo	mittal media or logical or	a that physical			
	document a) Red b) De c) Use d) Op	cation, i quiremosign sp ers guid peration	ents specification ecification	rences to the	1	following t	est item			

Solutio			. — — 011.0			문서번호				
	Solu	tion	소프트웨이			개정번호				
			검증	2000年		페이지		3 / 8	3	,
사업	(용역)명			단계	,	시험계획				,
문	서제목			문서(식별)번호				개정변	번호	,
No				항목					결과	ı
E-4	Test item	-						Yes	No	N/A
3	items		d have reference a			•	the test			
E-5	Features	to be t	ested					Yes	No	N/A
1			identify all softwa to be tested	re features and	со	mbinations	of			
E-6	Features	not to	be tested					Yes	No	N/A
1	·		identify all feature not be tested and	J	it o	combination	ns of			
E-7	Approacl	<u>h</u>						Yes	No	N/A
1	2) speci (each maj tested 3) speci	riptions fication or grou	have: on the overall apply on the approach apply of features or features or features on the major actions are designated groups	that will ensure eature combinati	tł on	s) are adeq	uately			

	Solution		. — — 011.0			문서번호				
	Solut	tion	소프트웨이			개정번호				
			심당 1	점검표		페이지		4 / 8	3	
사업	(용역)명	-		단계	,	시험계획				,
문	서제목			문서(식별)번호				개정법	키 호	
No				항목					결과	
E-7	Approach	<u>h</u>						Yes	No	N/A
2	A test plan should have: 1) specifications on the minimum degree of comprehensiveness desired 2) identifications of the techniques that will be used to judge the comprehensiveness of the testing effort (e.g., determining which statements have been executed at least once). 3) specifications on any additional completion criteria (e.g., error frequency) 4) specifications on the techniques to be used to trace requirements 5) identifications of significant constraints on testing such as test item availability, testing resource availability, and deadlines					r nents				
E-8	Item pas	s/fail cr	<u>iteria</u>					Yes	No	N/A
1	· ·		specify the criteria ssed or failed testir		let	ermine whe	ther each			
E-9	Suspensi	on crite	eria and resumptio	n requirements				Yes	No	N/A
1	A test plan shall specify 1) the criteria used to suspend all or a portion of the testing activity on the test items associated with this plan 2) the testing activities that must be repeated, when testing is resumed			•						
E-10	E-10 <u>Test deliverables</u>			Yes	No	N/A				
1	A test pla	test plan shall identify the deliverable documents.								

			. — — 011.0			문서번호				
	Solut	tion	소프트웨이			개정번호				
			검증 경	召召并		페이지		5 / 8	3	
사업	l(용역)명			단계	,	시험계획				
문	서제목			문서(식별)번호				개정법	 보호	
No				항목					결과	
E-10	Test deli	verable	<u>s</u>					Yes	No	N/A
2	1) follow a) Tes b) Tes c) Tes d) Tes f) Tes g) Tes h) Tes 2) Test ir deliverable	ing doost plan; st designst case st procest item t logs; st incidents summer aput danger	Id identify: cuments in the deli- gn specifications; specifications; edure specification transmittal reports ent reports; mary reports. Ita and test output ay include test too ee IEEE Std. 829-19	s; ;; data should be ls (e.g., module o	id	entified as				
E-11	Testing t	asks_						Yes	No	N/A
1	A test plan perform to		identify the set of	tasks necessary	to	prepare for	and			
2	A test pla skills requ		ld identify all intert	ask dependencie	es	and any sp	ecial			

			. — — 011.0			문서번호				
	Solut	tion	소프트웨 ⁰ 건조			개정번호				
			급급 '	점검표		페이지		6 / 8	3	
사업	(용역)명			단계	,	시험계획				
문	서제목			문서(식별)번호				개정년	<u>년</u> 호	
No				항목					결과	
E-12	Environm	nental r	needs					Yes	No	N/A
2	test environments test environments characterist and system other soft. A test plant of the specific facilities, so data, and control of the space of the system of the s	test plan shall specify both the necessary and desired properties of the set environment. This specification should contain the physical naracteristics of the facilities including the hardware, the communication of system software, the mode of usage (e.g., stand-alone), and any other software or supplies needed to support the test. Itest plan should have: I) specifications on the level of security that must be provided for the tracilities, system software, and proprietary components such as software, and hardware i) identifications of special test tools needed i) identifications of any other testing needs (e.g., publications or off pace) ii) identifications of the source for all needs that are not currently available.								
E-13	Responsi	<u>bilities</u>						Yes	No	N/A
1	A test plan shall identify: 1) the groups responsible for managing, designing, preparing, executing, witnessing, checking, and resolving 2) the groups responsible for providing the test items and the environmental needs ** These groups may include the developers, testers, operations staff, user representatives, technical support staff, data administration staff, and quality support staff.									

소프트웨어 확인 및 건경 점검표										
	Solut	tion				개정번호				
			심당 1	임검표		페이지		7 / 8	3	
사업	(용역)명			단계	,	시험계획				
문	서제목			문서(식별)번호				개정병	^번 호	
No				항목					결과	
E-14	Staffing a	and tra	ining needs					Yes	No	N/A
1	1) specifi	test plan should have:) specifications on test staffing needs by skill level) Identification of training options for providing necessary skills.								
E-15	Schedule	<u>)</u>						Yes	No	N/A
1		Schedule A test plan shall have test milestones identified in the software project chedule as well as all item transmittal events								
2	2) estima 3) specifi 4) (for ea	tions of ation of ications ach test	Id have: any additional test the time required on the schedule fing resource (i.e., fints periods of use	to do each test for each testing	ing tas	g task sk and test	milestone			
E-16	Risks and	d contir	ngencies					Yes	No	N/A
1	1) identif 2) specifi test items	A test plan shall have: 1) identification of the high-risk assumptions of the test plan 2) specifications of contingency plans for each (e.g., delayed delivery cest items might require increased night shift scheduling to meet the delivery date)								
E-17	Approval	l <u>s</u>						Yes	No	N/A
1	A test plan shall specify the names and titles of all persons who must approve this plan. Provide space for the signatures and dates						must			

[양식 0501-05] 소프트웨어 확인 및 검증 점검표(시험계획)

Solution	n 소프트웨어 확인 및			문서번호		
Solu	tion	소프트웨(거 확인 및		개정번호	
		검증	점검표		페이지	8 / 8
사업(용역)명			단계	,	시험계획	
문서제목			문서(식별)번호			개정번호
No			항목			결과
비고 또는 주선	<u>석</u>					
독립검토자((I	ndepen	dent Reviewer)				
			성명		서명	일자

Solution			. — — 011 0			문서번호				
	Solut	tion		서 확인 및 저거교		개정번호				
			검증	임심표		페이지		1 / 7	7	
사업	섭(용역)명			단계		시험절차				
문	·서제목			문서(식별)번호				개정변	^번 호	
No				항목					<u></u> 결과	
F-1	Software	integri	ty levels 1 and 2					Yes	No	N/A
1			project-defined te IEEE Std. 829-199		cat	tion purpos	e, format,			
2		I content (see IEEE Std. 829-1998) Informance to project-defined test case specification purpose, format, and content (see IEEE Std. 829-1998)					format,			
3		onformance to project-defined test procedure specification purpose, rmat, and content (see IEEE Std. 829-1998)					pose,			
4	Appropria	iteness	of test methods a	nd standards us	ed					
5	Conforma	nce to	expected results							
6	Feasibility	of syst	em qualification to	esting						
7	Capability	to be	operated and mair	ntained						
8	Traceable	to the	system requiremen	nts						
9	External c	onsiste	ncy with the syster	n requirements						
10	Internal co	onsister	ncy							
11	Test cove	rage of	the software requ	irements						
12	Appropria	iteness	of test standards a	and methods						
13	Feasibility	of soft	ware qualification	testing						
14	Feasibility	of ope	ration and mainte	nance						
15	Traceable to the software requirements and design									
16	External consistency with the software requirements and design									
17	Internal consistency between unit requirements									
18	8 Test coverage of units									
19	Feasibility	est coverage of units easibility of software integration and testing								

소프 Solution				. 011 0			문서번호				
	Solu	tion			서 확인 및 저거교		개정번호				
			73	7	점검표		페이지		2 / 7	,	
사업	(용역)명				단계		시험절차				
문	서제목				문서(식별)번호				개정년	보호	
No					항목					결과	
F-2	Test desi	ign spe	cification ide	ntifier					Yes	No	N/A
1	'	t procedure shall have the unique identifier assigned to this test n specification.									
2	A test pro exists.	test procedure shall supply a reference to the associated test plan,if									
F-3	Features	to be t	ested						Yes	No	N/A
1	and comb	ination	s of features	that a	test items and d are the object of ay be exercised,	ftł	nis design				
	•			=	irements relating s for each featu		-				
F-4	Approac	h refine	ments						Yes	No	N/A
1	A test procedure shall specify requirements to the approach described in the test plan and include specific test techniques to be used. The method of analyzing test results should be identified (e.g., comparator programs or visual inspection).					method					
2	A test procedure shall specify the results of any analysis that provides a					vides a					

			. — — 0114	S. ±10. E.	문서번호				
	Solu	tion		거 확인 및 점검표	개정번호				
			'10	HH.	페이지		3 / 7		
사업	(용역)명			단계	시험절차				
문	서제목			문서(식별)번호			개정빈	호	
No				항목				결과	1
F-4	Approac	h refine	ments				Yes	No	N/A
	A test procedure shall summarize the common characteristics of the test cases and include the following: 1) input constraints that must be true for every input in the set of associated test cases 2) any shared environmental needs, any shared special procedural requirements 3) any shared case dependencies				of				
F-5	Test ider	ntificatio	<u>on</u>				Yes	No	N/A
1			shall list the iden ated with this test			f each			
F-6	Feature p	oass/fai	<u>criteria</u>				Yes	No	N/A
1	A test procedure shall specify the criteria to be used to determine whether the feature or feature combination has passed or failed.								
F-7	Test case specification identifier			Yes	No	N/A			
1	A test procedure shall specify the unique identifier assigned to this test case specification.								

			. — — 011 4			문서번호				
	Solut	tion	_	거 확인 및		개정번호				
			김동 1	점검표		페이지		4 / 7	7	
사업	(용역)명			단계	,	시험절차				
문	서제목			문서(식별)번호				개정변	선호	
No				항목					결과	
F-8	Test item	<u>ıs</u>						Yes	No	N/A
1	A test procedure shall identify and briefly describe the items and feature to be tested and shall provide the following references: 1) Requirements specification 2) Design specification 3) Users guide 4) Operations guide 5) Installation guide									
F-9	Input spe	ecificati	<u>ons</u>					Yes	No	N/A
1	case. Som	ie of th te), whi	shall specify each e inputs will be sp le others, such as name.	ecified by value	(w	ith toleranc	es where			
2	·		shall identify all a ory resident areas,							
3	A test procedure shall specify all required relationships between inputs						inputs			
F-10	Output specifications							Yes	No	N/A
1	A test procedure shall specify all of the outputs and features (e.g., response time) required of the test items. And this shall Provide the exact value (with tolerances where appropriate) for each required output or feature.						the exact			

					. +		문서번호				
	Solu	tion	_ 소.		거 확인 및 저거교		개정번호				
				심증	점검표		페이지		5 / 7	,	
사업	(용역)명				단계	,	시험절차				
문	서제목				문서(식별)번호				개정변	보호	
No					항목					결과	
F-11	Environm	nental r	needs						Yes	No	N/A
	· '		dure shall specify the characteristics and configurations of quired to execute this test case (e.g., 132 character ´ 24 lin								
2	required t as operati	o execuing syst	edure shall specify the system and application software execute this test case. This may include system software g systems, compilers, simulators, and test tools. In addition may interact with application software.								
I 3				ecify any o	other requirement ersonnel.	nts	such as un	ique			
F-12	Special p	rocedu	ıral requ	irements					Yes	No	N/A
1	procedure following: 1) special 2) operato	set up or intervention determination procedures									
F-13	Intercase	depen	dencies						Yes	No	N/A
		procedure shall list the identifiers of test cases that must be ed prior to this test case. Summarize the nature of the lencies.						oe			

			. — — 011 4			문서번호				
	소프트웨어 확인 및 개정번호 검증 점검표 페이지 (용역)명 단계 시험절차									
			심증 1	임심표		페이지		6 / 7	7	
사업	[(용역)명			단계	,	시험절차				
문	서제목			문서(식별)번호				개정병	기 호	
No				항목					결과	
F-14	Test prod	cedure	specification ident	<u>ifier</u>				Yes	No	N/A
	A test procedure shall specify the unique identifier assigned to this test procedure specification. Supply a reference to the associated test design specification.									
F-15	<u>Purpose</u>						Yes	No	N/A	
1	procedure of the test	test procedure shall describe the purpose of this procedure. If this procedure executes any test cases, provide references to relevant sections of the test item documentation (e.g., references to usage procedures) are reference for each of them.								
F-16	Special re	equiren	nents					Yes	No	N/A
	for the ext 1) prerequ 2) special	ecution uisite pi skills re	shall identify any of this procedure rocedures, equirements, nmental requireme	. These may incl			•			
F-17	Procedur	e steps	<u>;</u>					Yes	No	N/A
1	A test procedure shall describe any special methods or formats for logging the results of test execution, the incidents observed, and any other events pertinent to the test									
2	A test procedure shall describe the sequence of actions necessary to prepare for execution of the procedure.				y to					
3						recution				

						문서번호				
	Solu	tion	소프트웨이	서 확인 및		개정번호				
			검증	점검표		페이지		7 / 7	7	
사업	(용역)명			단계	,	시험절차				
문	서제목			문서(식별)번호				개정법	번호	
No				항목					결과	
F-17	Procedur	e steps	<u> </u>					Yes	No	N/A
I 4	A test pro		shall describe any	actions necessa	ary	during exe	cution of			
5	A test procedure shall describe how the test measurements will be made (e.g., describe how remote terminal response time is to be measured using a network simulator).									
6	A test procedure shall describe the actions necessary to suspend testing.									
7	· ·		shall identify any ssary to restart the	•		•				
8	A test pro an orderly		shall describe the	actions necessa	ry	to bring exe	ecution to			
9	A test pr environme		e shall describe	the actions ne	ces	ssary to re	store the			
10			re shall describe s that may occur o			essary to	deal with			
비고	. 또는 주식	<u>넉</u>								
<u></u> 독	독립검토자((Independent Reviewer) 성명 서명 일자									

						문서번호				
	Solut	tion	소프트웨이	서 확인 및		개정번호				
			검증	점검표		페이지		1 / 4		
사업	(용역)명			단계	,	시험보고				
문	서제목			문서(식별)번호				개정번	호	
No				항목				:	<u></u> 결과	
G-1	Software	integri	ty levels 2					Yes	No	N/A
1	Conformal		project-defined te	st report purpos	e,	format, and	content			
2	Appropria [.]	teness	of test methods a	nd standards us	ed					
3	Conforma	nce to	expected results							
4	Feasibility	of syst	em qualification te	esting						
5	Capability	to be	operated and mair	ntained						
6	Validate th	nat syst	em test results sat	tisfies the accept	tan	ice criteria				
7	Traceable	to the	system requireme	nts						
8	External co	onsiste	ncy with the syster	m requirements						
9	Internal co	onsister	псу							
10	Test cover	age of	Software requiren	nents						
11	Appropria [.]	teness	of test standards a	and methods us	ed					
12	Feasibility	of soft	ware qualification	testing						
13	Feasibility	of ope	ration and mainte	nance						
14	Validate th	nat inte	gration test result	s satisfies the ac	ce	ptance crite	ria			
15	Traceable	to the	software requirem	ents and design						
16	External co	onsiste	ncy with the softw	are requirement	s a	ınd design				
17	Internal co	onsister	ncy between unit r	equirements						
18	Test cover	age of	units							
19	Feasibility	of soft	ware integration a	nd testing						
20	Validate th	nat con	nponent test result	ts satisfies the a	cce	eptance crite	eria			

						문서번호				
	Solu	tion	소프트웨C	거 확인 및		개정번호				
			검증	점검표		페이지		2 / 4	4	
사업	(용역)명			단계	,	시험보고				
문	서제목			문서(식별)번호				개정	번호	
No				항목					결과	
G-2	Test sum	ımary re	eport identifier					Yes	No	N/A
1	A test sur summary	-	report shall the un	ique identifier a	ssi	gned to this	s test			
G-3	Summary	У						Yes	No	N/A
1	A test summary report shall summarize the evaluation of test items by identifying test items that indicate the version / revision level.			ms by						
2	identifying test items that indicate the version / revision level. A test summary report shall indicate the environment in which the testin activities took place.				ne testing					
3	following 1) test pla 2) test de 3) test pro	docum an sign spe ocedure m trans	report should for e ents if they exist: ecifications e specifications mittal reports	each test item, s	up	ply reference	ces to the			
G-4	Variance	<u>S</u>						Yes	No	N/A
1	A test su design sp	•	report shall any ons	variances of the	e t	est items f	rom their			
2	A test sur 1) the tes 2) test de 3) test pro	t plan signs	eport should spec	ify the reason fo	or e	each variand	ce.			

						문서번호				
	Solu	tion	소프트웨어	거 확인 및		개정번호				
			검증	점검표		페이지		3 / 4	4	
사업	(용역)명			단계		시험보고				
문	서제목			문서(식별)번호				개정법	번호	
No		I		항목					결과	
G-5	Compreh	nensive	ness assessment					Yes	No	N/A
1	testing pr	ocess a	report shall evalua gainst the compre f the plan exists.	•						
2		est plan (4.2.6) if the plan exists. test summary report shall identify features or feature combinations the ere not sufficiently tested and explain the reasons.								
G-6	Summary	y of res	ults					Yes	No	N/A
	1) Identify	all res	report summarize to olved incidents and resolved incidents.			•				
G-7	Evaluatio	<u>n</u>						Yes	No	N/A
1	item inclu 1) A test s results an	ding its summa d the it	report shall Provide s limitations. ry report shall eval em level pass/fail ry report shall estin	uation shall be l criteria.	oas	sed upon th	ne test			
G-8	Summary	y of act	<u>ivities</u>					Yes	No	N/A
1	A test sur	mmary	report shall sumr	marize the majo	or ·	testing acti	vities and			
2	1) total st 2) total m	affing lachine				·				

[양식 0501-07] 소프트웨어 확인 및 검증 점검표(시험보고)

						문서번호		
	Solu	tion	소프트웨어	거 확인 및		개정번호		
			검증	점검표		페이지	4 / 4	
사업	(용역)명			단계	,	시험보고		
문	서제목			문서(식별)번호			개정번호	
No				항목			결과	
G-9	Approva	<u>ls</u>					Yes No	N/A
1 1	1		report shall specify ve this plan. Provic					
비고	. 또는 주석	<u> </u>						
독립검토자((Independent Reviewer) _				 성명		 서명	 일자	

						문서번호				
	Solu	tion	소프트웨어	거 확인 및		개정번호				
			검증	점검표		페이지		1/9)	
사업	(용역)명			단계	:	소스코드				
문	서제목			문서(식별)번호				개정변	<u>번</u> 호	
No				· 항목					결과	
H-1	Predictab	oility of	Memory Utilizatio	n				Yes	No	N/A
2 3 4 5 6	a. Allocati b. Attemp c. Utilizing d. Insuffici e. Ensure Minimizing Minimizing Utilizing N Use of me	imizing Dynamic Memory Allocation Illocating memory without subsequently freeing it Intempting to access memory that has not been allocated Itilizing memory that has already been freed Insufficient available memory for the dynamic memory requirements Insure that all classes include a destructor Imizing Memory Paging and Swapping Imizing Recursive Function Calls Izing Memory-Related Functions with Boundary Checking Ising Memory at Power Up								
	Proper Ar		t-in Functions for exing	Memory Related	ı C	perations				
H-2	Predictal	oility of	Control Flow					Yes	No	N/A
2	Maximizing Structure Minimizing Control Flow Complexity a. Use the switch construct b. Use brackets c. Define defaults d. Check for dead code									
3	Initializatio a. Reinitia	on of V lize aut	ariables and Point omatic variables Il variables in sepa		ı ro	outines				

						문서번호				
	Solu	tion	소프트웨어	거 확인 및		개정번호				
			검증	점검표		페이지		2/9)	
사업	l(용역)명			단계	-	소스코드				
문	서제목			문서(식별)번호				개정병	^{번호}	
No				항목					결과	
H-2	Predictab	oility of	Control Flow					Yes	No	N/A
5	c. Initialized. Do not e. Initialized f. Ensure the Caration g. Use the Single Enta. Avoid in the Ensure function of the Ensure prototype e. Avoid uff. Test the test the value first in the Elimination of	e global use points of a point	I variables only on inters to automatiers indirection operation when initializes Exit Points in Subporter and longimp	c variables outsitor is present for zing to all 1 's programs characteristics at the begin re returning from the compassing to suffer to suffer to suffer the compassing to suffer the compassion of t	um e a wi	each pointer ober of argu- olternated th the func- outines or r	iments tion ine and			
	function calls j. Use bit masks, not bitfields									

						문서번호				
	Solu	tion	소프트웨어	거 확인 및		개정번호				
			검증	점검표		페이지		3 / 9)	
사업	(용역)명			단계		소스코드				
문	서제목			문서(식별)번호				개정병	번호	
No				항목					결과	
H-2	Predictab	oility of	Control Flow					Yes	No	N/A
6	Controlled	l Use o	f Data Typing							
			of implementation-	-dependent type	5ر					Ш
			use of type conver	. , , , , ,		e implicit o	r			
			conversions	sions and cimin	iat	e implicit of				
		, ,	of mixed-mode or	perations						
			ata type in evaluat		na	Loperations	;			
		•	of typedefs for un			roperations	,			
			declarations of on	-	SE	everal types				
		-	signed and unsign			overal types				
	ľ	•	direct addressing	ca variables						
			the same identifie	er for multiple in	ıco	mpatible tv	pes			
	Precision a					1	1	$ \Box$		
	a. Use do		•							ш
		-	pating point prope	erties in relationa	al c	operations				
			uncation in integer			7 0 0 0 0 0 0				
			otimization	•						
		•	thmetic conversion	n produces a res	sul	t that can b	e			
			ne space provided	•						
8	Use of Pai	renthes	es Rather Than De	efault Order of P	re	cedence				
	a. Use par	enthes	es in bitwise opera	ators						
	•		es in comparisons							
	· ·		es in macros							
			e values of express	sions do not dep	oer	nd on the o	rder of			
	evaluation	1		·						
9	Avoiding I	Functio	ns or Procedures v	with Side Effects						

[양식 0501-08] 소프트웨어 확인 및 검증 점검표(소스코드)

						문서번호		
	Solu	tion	소프트웨어	거 확인 및		개정번호		
			검증	점검표		페이지	4 / 9	
사업	(용역)명			단계	-	소스코드		
문	서제목			문서(식별)번호			개정번호	
No				항목			결고	<u>.</u> 나
H-2	Predictal	oility of	Control Flow				Yes No	N/A
10	Separating	g Assig	nment from Evalua	ation				
11	Proper Ha	ndling	of Program Instru	mentation				
12	Control of	f Class	Library Size					
13	Minimizin	g Use (Of Dynamic Bindin	g				
14	Control of	f Opera	tor Overloading					
15	Enable an	d Heed	Compiler Warning	gs				
H-3	Predictal	oility of	Timing				Yes No	N/A
1	Minimizin	g the L	lse of Tasking					
2	Minimizin	g the L	lse of Interrupt Dri	iven Processing				
	a. Limit in	terrupt	processing					
	b. Limit fu	ınction	calls					
H-4	Controlle	ed Use	of Software Divers	<u>ity</u>			Yes No	N/A
1	Controllin	g Interr	nal Diversity					
2	Controllin	g Exter	nal Diversity					
H-5	Controlle	ed Use	of Exception Hand	ling			Yes No	N/A
1	Local Han	dling o	f Exceptions					
	a. Address	_	•					
	b. Data ex							
	c. Input/o	-	-					
			underflow exception	ons				
	e. Operati	on exce	eptions					

						문서번호				
	Solu	tion	소프트웨이	서 확인 및		개정번호				
			검증	점검표		페이지		5 / 9	9	
사업	l(용역)명			단계	-	소스코드				
문	서제목			문서(식별)번호				개정	번호	
No				항목					결과	
H-5	Controlle	ed Use	of Exception Hand	ling				Yes	No	N/A
1	f. Protection	on exce	eptions							
2	Preservation	on of E	xternal Control Flo	w						
3	Uniformity	y of Exc	ception Handling							
	a. Rely on	signals	s and traps rather	than operating s	sys	tem feature	s for			
	handling (of exce	ptions							
	b. Use thr	ow and	d catch in favor of	setjmp and long	jim	np in C++				
H-6	Input and	d Outp	ut Checking					Yes	No	N/A
1	Check poi	nters b	efore use							
H-7	Minimizir	ng the	Use of Built-In Fur	<u>nctions</u>				Yes	No	N/A
1	Minimize	the use	e of built-in functio	ons						
H-8	Use of C	ompile	d Libraries					Yes	No	N/A
1	Use of Co	mpiled	Libraries							
	a. Ensure	that na	mes in externally o	developed librar	es	are distinct	from			
			piler or those dev		•					
		ent all	cases of dynamic b	pinding to exteri	nal	ly develope	d			
	libraries	that de	velopment and rui	ntime chared lih	rar	ias ara idan	tical			
H-9			Control Tools	Turre shared hb	ıaı	ics are racin	iticai	Yes	No	NI/A
					:			res	No	N/A
			oftware should be control tools.	kept under cont	ıgt	uration man	agement		Ш	Ш
H-10								Yes	No	N/A
			Indentation Guide	line					<u> </u>	
			blocks should be b		ac	kets				ш

						문서번호				
	Solu	tion	소프트웨이	서 확인 및		개정번호				
			검증	점검표		페이지		6 / 9)	
사업	l(용역)명			단계	-	소스코드				
문	서제목			문서(식별)번호				개정병	^번 호	
No				항목					결과	
H-10	Readabili	ity						Yes	No	N/A
2	b. Commedescribed c. Branchii indented d. Looping e. Automaf. Compile Descriptive Comment a. Commedor where ob. Nested c. Use care	ents shoons on g block atic varied and lients shoon critical comme	Indentation Guidele could have the same structs (i.e., if else s (i.e., for, while, are ables should be included by the county of the coun	e indentation as e; and switch nd do while) s dented lented ation e subtle progran	n	case,) should be inde	uld be ented			
4 5	Minimizin a. Physical	s on Su g Mixeo I proxin		amming						
6	Minimizing a. Avoid u b. Avoid u	g Obscuse of the sing dependent	n directive ure or Subtle Prog he ?: operator efault parameters t c expressions inside	o combine func						

						문서번호				
	Solu	tion	소프트웨이	서 확인 및		개정번호				
			검증	점검표		페이지		7 / 9	9	
사업	l(용역)명			단계	:	소스코드				
문	서제목			문서(식별)번호				개정년	번호	
No				항목					결과	
H-10	Readabil	ity						Yes	No	N/A
	e. Avoid p	ointers	use of the scope ro to members keyword wherever	·	or					
7	Minimizin	g Dispe	ersion of Related E directives at the be nal function protot	lements ginning of each	•	•				
8	c. Segrega Minimizin a. Parenth b. Enumer	g Use oneses	e from derived class of Literals	sses						
H-11	Data Abs	stractio	<u>n</u>					Yes	No	N/A
2	b. Initializo Minimizino a. Limit th b. Use stro	global e globa g the C ne numb uctures	variables in one half variables in one properties of linterspect of parameters	place faces						
	c. Avoid e	xpressi	ons in parameter l	ists						
H-12	Function	al Cohe	<u>esiveness</u>					Yes	No	N/A
1	Every sub	prograr	n should have one	clearly discerni	ble	purpose.				
H-13	Malleabil	lit <u>y</u>						Yes	No	N/A
	Malleabilit areas of p	•	nds data abstractio I change	n with the moti	vat	ion toward	isolating			

[양식 0501-08] 소프트웨어 확인 및 검증 점검표(소스코드)

						문서번호				
	Solu	tion	소프트웨(어 확인 및		개정번호				
)			검증	점검표		페이지		8 / 9)	
사업	(용역)명			단계	-	소스코드				
문	서제목			문서(식별)번호				개정변	^번 호	
No				항목					결과	
H-14	Portabilit	<u>y</u>						Yes	No	N/A
1	Minimizin	g Platfo	orm-Dependent D	ata Types.						
2	Avoiding	Reserve	ed words							
	a. Avoid u	ındersc	ores							
			C++ keywords eve	•	_	•	used			
	c. Do not	use the	e names of function	ons in the standa	rd	library				_
3	Minimizin	g Hard	ware Dependencie	es					Ш	
H-15	Reliability	y [Rules	for Doosan]					Yes	No	N/A
1	Prohibit u	sing po	ointer variable as a	a parameter of si	zeo	of()function				
2	Prohibit u	sing sic	de effect expressio	on as a paramete	r c	of sizeof () f	unction.			
3	Prohibit u	sing un	ary minus operate	or on a unsigned	l in	iteger type				
	expression	٦.								
4	Prohibit u	sing a	condition expressi	on which results	alv	ways same.				
5	Operands	of ope	rators &&, and	! shall be effective	/el <u>y</u>	y Boolean				
	expression	٦.								
6	Do not us	se incre	ment (++) and de	ecrement () Ope	era	tor within a	ì			
	calculating	g expre	ssion.							
7	Use only	case an	d default stateme	nts within a swit	ch	clause.				
8	A stateme	ent whic	ch most closely er	ncloses case and	de	fault staten	nent shall			
	be a switc	ch state	ment.							
9	Prohibit u	sing a l	ogical operation	within a switch s	tat	ement				

[양식 0501-08] 소프트웨어 확인 및 검증 점검표(소스코드)

				문서번호		
사업(용역)명	tion	소프트웨(거 확인 및	개정번호		
		검증	점검표	페이지	9 / 9	
사업(용역)명			단계	 소스코드		1
문서제목			문서(식별)번호		개정번호	
No			항목		결과	,
비고 또는 주식	4					
<u>비고 또는 주석</u>						
도리거ㅌ자///	ndanan	dent Reviewer)				
국립교포시((II	idepen	dent neviewer)	 성명	 서명	 일자	

[양식 0501-09] 소프트웨어 확인 및 검증 점검표(통합 단계)

-			. — — 011 6			문서번호				
	Solu	tion	<u> </u>	서 확인 및 저경교		개정번호				
			검증	임검표		페이지		1 / 1		
사업	(용역)명			단계	1	통합 단계				
문	서제목			문서(식별)번호				개정변	번호	
No				항목					결과	
I-1	내용(Con	ntents)						Yes	No	N/A
1	통합되기	전에 딘	<u></u> 위 소프트웨어 및	문서의 버전이	기	술되어 있는	-가?			
2	단위 소프	.트웨어	간에 사용되는 용	어, 기호법, 정의	들	은 일관성0	ㅣ 있는가?			
3 모든 통합과정은 문서화되어 있는가?										
통합과정은 소스 코드, 데이터 및 라이브러리의 통합을 포함하여 모든 단위 소프트웨어를 포함하고 있는가?										
5	통합 후, 2	개별단위	리까지 역추적이 기	능한가?						
6	통합 후, 7	개별 단	위는 코드 개발 왼	료 시까지 순방	향	추적이 가능	등한가?			
비고	. 또는 주석	<u>५</u>								
독현	립검토자((I	ndepen	dent Reviewer)	성명		 서명		일:	자	

						문서번호				
	Solu	tion	소프트웨이			개정번호				
			검증	임검보		페이지		1 / 1		
사업	(용역)명			단계	,	설치/점검 단	<u></u> 관계			
문	서제목			문서(식별)번호				개정년	선호	
No				항목					<u></u> 결과	
J-1	이용자 된	문서에 I	대한 정보 <u></u>					Yes	No	N/A
1	요건서와	일치하-	는가?							
2	 설계내용고	<u>마</u> 일치	하는가?							
3	코딩된 프	로그램-	을 정확하게 반영하	하였는가?						
4	내부적으로	로 일관 [,]	성이 있는가?							
5	모호한 점	이 없이	명확하게 기술되	었는가?						
J-2	<u>일반사항</u>	(Genera	als)					Yes	No	N/A
1	요구 시, 1	설치/통	합 시험은 성공적의	으로 수행 및 문	서호	화되어 있는	가?			
2	프로그램	소스에	대한 접근은 관리	되고 있는가?						
3	소프트웨 ^C 의해 식별		드카피 출력에 나E ?	타나는 유일한 코	1 <u></u>	.명 및 Vers	ion No.에			
비고	. 또는 주식	<u>석</u>								
<u></u> 독	립검토자((네	ndepen	ident Reviewer)	 성명		 서명		일:	 자	

4			. — — 0" -	. +ı.a:		문서번호				
Y	Solut	tion	<u> </u>	거 확인 및 저거교		개정번호				
			검증	점검표		페이지		1 / 1		
사업	(용역)명			단계	-	수락시험 단	계 - 계획			
문	서제목			문서(식별)번호				개정변	^번 호	
No				항목					결과	
K-1	요건(Req	uireme	nts)					Yes	No	N/A
1	시험요건이	기 명확	하게 정의되어 있는	=가?						
2	시험계획은	은 요건-	을 통하여 추적 가	능한가?						
3	모든 요건	이 적절	설하게 시험되는가?							
K-2	방법론(M	낭법론(Methodology)							No	N/A
1	결과의 타	과의 타당성을 판정하기 위한 기준 및 방법이 제공되어 있는가?								
2	필요한 모	.든 절치	h가 문서화되어 있	는가?						
K-3	시험 사리	녜 내용(Contents of Test (Cases)				Yes	No	N/A
1	시험 사례	는 문서	화되어 있는가?							
2	시험 사례 포함하고	-	넘계획에서 요구되는 ?	는 모든 사항을 경	정호	확하고 완전	하게			
3	요건은 개	별적으.	로 시험되고 있는기	' ት?						
4	요건들을	조합하	여 시험하는가?(필	요 시에 한함)						
5	시험은 추	적 가능	하고 반복 가능한	방법으로 수행!	리는	≞가?				
<u>비고</u>	. 또는 주식	<u>넉</u>								
도	립검토자((Independent Reviewer)									
-	ᆸᄀᆸᅩᄭ((川	nuepen	ident neviewei)	 성명		 서명		일	 자	

						문서번호				
4	Solu	tion	_	서 확인 및		개정번호				
			검증	임검표		페이지		1 / 1		
사업	(용역)명			단계	-	수락시험 단	계 - 결괴	보고		
문	서제목			문서(식별)번호				개정반	호	
No				항목					결과	
L-1	시험 수형	탱(Testir	ng)					Yes	No	N/A
1	모든 요건	이 적절	할하게 시험되었는기	ነ ት?						
2										
L-2	-2 <u>시험 결과(Test Results)</u>							Yes	No	N/A
1										
2										
3	시험 결과	는 수릭	가능한가?							
4	시험 결과	를 수정	l할 필요성이 있는	가?						
L-3	문서화(D	ocume	ntation)					Yes	No	N/A
1	시험보고시	서는 요?	건을 통하여 추적	가능한가?						
2	시험에 수	계산이	사용되었다면, 그	계산서가 포함되	0	네 있는가?				
<u>비고</u>	또는 주식	<u>덕</u>								
독립검토자((Independent Reviewer)										
				 성명	•	 서명		일7	다	

15								
Solution	형상항목 상태	기록 대	장			개정번호		
	페이지							/
형상 항목번호	형상명	개정번호	접수일자	등록약	일자	변경 요청일자	변경 완료일자	담당자