Autonomous Maintenance Review Request	Area / Team		Submission date	Area manager	Team leader			
Autonomous Maintenance Review Sheet	Equip. Unit No.		Score: pt.	Pass	Fail			
Step 1: Initial Cleaning(Processing Equipment)	Date requested for review		Pass levels :Score = total score for 'equipment' (Review					
Step 1. Initial Cleaning (Focessing Equipment)	Actual date / Time of review		Items 1-5) + score for 'people' (Review Item 6)					
Review Self Area Senior	Name of reviewer		Self	Area M.	Senior M.			
type Manager Manager	Ivalie of feviewer		90 or over	85 or over	80 or over			
				•				

	D: I	[4		V p				Poor	Rathe	r F	air	Quite	Good	C
	Review I	item		Key P	oints to Revi	ew		1 pt.	poor 2 pt.	3	pt.	good 4 pt.	5 pt.	Comments
1 Cleanlii	ness of ma	ain body of		-Dust, dirt, oil sta	ains and wast	e all clear	ned	ı pt.	2 pt.		pt.	₹ pt.	J pt.	
equipment				off, and materia										
1 1				order (jigs, chu	cks, sliding p	arts, chute	es,							
				frames, beds, pi										
				-Looseness, play										
				overheating elim										
				rotating and slid	ding parts, ch	utes, etc.)	?							
2. Cleanlin	noss of no	nimb and		-Dust, dirt, oil sta	aina and dahr	ia all alaa	n a d							
apparatus	ness of pe	пристаг		off (cylinders, s										
	c pneuma	tic, and wat	er	limit switches,										
systems	e, pireuma	itio, and war		photocells, cont			•5,							
-Electrical	l control s	ystems		interiors/exterio		auges, etc	c.)?							
-Other		-	-	-Looseness, play										
				buzzing and over										
				(motors, soleno										
				plates, relays, w	vires, nuts, bo	lts, etc.)?								
3. State of	lubrication	on		-Dust, dirt and oi										
				(lubricators, oil caps, supply pig		gauges, f	iller							
			-	-Oil volumes and		rract and								
				looseness, play,										
				(contamination/										
				pipe joints, valv			,							
				temperature, etc	c.)?									
4. Cleanlin		uipment		-Tools, measurin		, and spai	·e							
surroundii	ngs			parts all organis										
				-Guards, namepla		nd other s	igns							
				all displayed cor		l and aar	root							
				-Unnecessary obj										
			-	-Defective produ										
				good ones?	ots crearry se	paratea 11	OIII							
				-Aisles clear and	tidy?									
				-No scattering of		n other								
				equipment?										
5. Contam				-Chart drawn up										
hard-to-ac	ccess areas	5		dust and oil stai										
				to clean? Plan f	ormulated for	r dealing v	vith							
			-	these? -Improvements n	anda ta guarde	and alon	nina							
				tools?	lade to guards	s and cical	iiiig							
				'Checking throug	gh cleaning' b	eing								
				implemented?	,	. 0								
				-Cleaning areas of		ted?								
		M is being		-Do all team men		Points		10	20		30	40	50	
addressed					anding of									
				what TPM mea		Score								
				they all fully implementing it										
	Pe	oints	1	point / 10 points	2 points / 2	0 points	3 t	oints / 30 p	oints	4 poi	nts / 40	points	5 points /	50 points
				•				emented in				ented in	Full 'chec	king throug
tey	1-5	Equipment		dly implemented	Only implen			ions (e.g.				and less		achieved, an
ng k			at a	Ш	obvious place	es		, chutes)	J		ıs place		be addresse	eas starting to
Scoring key					Only	intanc	0	matama +-1-	a no:-+				Responsibil	
S	6	People	No	interest at all	Only man	intenance		rators taking doing the		Operat		doing		fined, and
					active			s only		nearly	all the	work	everything being done properly	
	1				l								properry	

Autonome	Autonomous Maintenance Review Request			Area / Team		Submission dat	Area manager	Team leader
Autonome	Autonomous Maintenance Review Sheet			Equip. Unit No.		Score: pt.	Pass	Fail
	Step 2: Contamination Sources and Hard-to-Access			Date requested for review			core = total score for	
Areas(Proce	essing Equipment	:)		Actual date / Time of review	Actual date / Time of review			
Review	Self	Area	Senior	Name of reviewer		Self	Area M.	Senior M.
type	Seii	Manager	Manager	Name of feviewer		90 or over	85 or over	80 or over

				-									
	Review l	Item		Key P	oints to Review		Poor	Rathe		Fair	Quite good	Good	Comments
1. Sustair	nment of S	Step 1			achieved in Step 1 (Init g properly sustained?	ial	l pt.	2 pt.		3 pt.	4 pt.	5 pt.	
	ermeasures equipment	s for main			dust, oil leaks, air leaks on a chart, and action ta								
3. Counte devices	s. Countermeasures for peripheral levices			and creative im to make them m improved, origi everything sorte -Sources of dirt,	areas all marked on a cheprovements implements ore accessible (guardinal cleaning tools devised and reorganised)? dust, oil leaks, air leaks on a chart, and action ta	ed ig sed,							
				-Hard-to-access areas all marked on a chart, and creative improvements implemented to make them more accessible (guarding improved, original cleaning tools devised, everything sorted and reorganised)?									
	ermeasures nt surround			-Sources of dirt,	dust, oil leaks, air leaks on a chart, and action ta								
				and creative imp make them more improved, origin	areas all marked on a chorovements implemente accessible (guarding hal cleaning tools devised and reorganised)?	d to							
	5. Improvement and sustainment		nt	-Lubrication points clearly labelled according to lubrication standards, so that anyone can lubricate the machines correctly?									
6. Status	6. Status of activities				ers actively involved?								
				-Plenty of original improvements?	al thought going into th	e							
	Po	oints		2	4		6	•		8			0
Scoring key	1-5	Equipment	Ha at a	rdly implemented	Only implemented in obvious places	Imple	emented in	specific	more	impleme difficult ous place	and less	Compreher lubrication hardly an issues	achieved y outstandin
Scor	6	People	No	interest at all	Only maintenance staff and supervisors active	but	rators takin doing the s only			rators ly all the	doing work		lities efined, and being done

Autonomo	us Maintena	ance Review	Request	Area / Team	Submission date	Area manager	Team leader
Autonomous Maintenance Review Sheet				Equip. Unit No.	Score: pt.	Pass	Fail
Step 3: Provi	tep 3: Provisional Autonomous Maintenance Standards			Date requested for review	Score. pt.	1 ass	T all
Processing I	Equipment)			Actual date / Time of review	Pass levels		
Review	C 16	Area	Senior	Name of reviewer	Self	Area M.	Senior M.
type	Self Manager Manager Name of reviewer		90 or over	85 or over	80 or over		

Review Item	Key Points to Review	Poor	Rather	Fair	Quite good	Good	Comments
1. Sustainment of Steps 1 and 2	-Cleaning levels achieved in Step 1 (Initial Cleaning) and improvements made in Step 2 (Contamination Sources and Hard-to-Access Areas) being properly sustained?	3 pt.	6 pt.	9 pt.	12 pt.	15pt.	
2. Maintenance of basic equipment conditions (action standards for cleaning, lubricating and tightening)	(Cleaning Standards) -Separate standards created for each equipment unit, area, etc.?	1 pt.	2 pt.	3 pt.	4 pt.	5 pt.	
tightening)	-Cleaning areas, locations and work duties properly defined and allocated?						
	-Cleaning methods and tools specified?						
	-Suitable cleaning times and intervals set and observed?						
	-Standards clear enough for anyone to follow?						
	(Lubrication Standards) -Type and quantity of oil, frequency of lubrication, method and responsibilities all clearly specified?						
	-All lubrication points correctly labelled?						
	-Required lubricants always available?						
	-Lubricants stored neatly and systematically (lubricant storage areas clean and tidy)?						
	(Tightening) -Nuts and bolts all correctly tightened?						
	-Any nuts and bolts missing?						
3. Awareness of role in creating standards	-Teams setting their own standards?	2 pt.	4 pt.	6 pt.	8 pt.	10pt.	
	-Standards being observed?						
	-Improvements actively pursued to make checking easier and enhance visual management?						

Autonomo	ous Maintena	ance Review	Request	Area / Team		Submission date	Area manager	Team leader
Autonomo	autonomous Maintenance Review Sheet			Equip. Unit No.		Score: pt.	Pass	Fail
G. 41.0	tep 4-1: General Inspection (Fastenings)			Date requested for review		Score: pt.	r ass	ran
Step 4-1: G	eneral Inspect	ion (Fastenings	5)	Actual date / Time of review		Pass levels :Score = total score for Review Items		
Review	G 16	Area	Senior	Name of reviewer		Self	Area M.	Senior M.
type	Self	Manager Manager Name of reviewer		Name of reviewer		90 or over	85 or over	80 or over

Review Item	Key Points to Review	Poor	Rather poor	Fair	Quite good	Good	Comment
		20 pt.	40 pt.	60 pt.	80 pt.	100 pt.	
Sustainment	(Steps 1 to 3 activities properly managed and sustained?) -Action against contamination sources being properly sustained?						
	-Good improvements making hard-to- access areas more accessible? -Cleaning and lubrication standards completed and applied rigorously?						
	completed and applied rigorousty?	1 pt.	2 pt.	3 pt.	4 pt.	5 pt.	
1. Skills Training	-Leaders and team members actively creating OPLs and compiling them into manuals to upgrade their skills?						
	-General Inspection skills mastered by all team members?						
2. General Inspection	-Inspection done correctly, covering all items in category trained?						
	-Minor equipment problems identified reliably during inspection process?						
	-Action taken to deal with these problems?						
3. Safety	-Progress made in identifying and fixing minor equipment problems that compromise safety?						
4. Shop-floor review (Fastenings)	-All nuts and bolts, etc. correctly tightened?						
	-Any nuts or bolts missing or damaged?						
	-Countermeasures against loosening (locknuts, etc.) introduced where necessary?						
	-Flat washers used for oval holes?						
	-Bolts of suitable length used?						
	-Matchmarks inscribed on nuts and bolts susceptible to vibration?						
	-Same kinds of nuts, bolts, washers, etc. used in same kinds of locations?						
	-Spanners and other tools located and arranged for easy use (marked location for each tool)?						
	-Regularly-used fastenings improved for easy installation and removal??						
5. Provisional Autonomous Maintenance standards	8 F						
	-Improvements made to reduce number of checks required?						
	-Improvements done to make checks easier to carry out?						
	-Suitable checking methods and checking intervals adopted?						
	-Ways found to ensure that all checks are done reliably, without any being omitted?						

Table 5.9-(5)

Autonomo	ous Maintena	ance Review	Request	Area / Team	Submission date	Area manager	Team leader	
Autonomo	utonomous Maintenance Review Sheet			Equip. Unit No.	Score: pt.	Pass	Fail	
Stop 4 2: G	Step 4-2: General Inspection (Lubrication)			Date requested for review	Score: pt.	rass	ran	
Step 4-2. G	reneral inspect	ion (Lubricauc	011)	Actual date / Time of review	Pass levels :Score = total sco		or Review Items 1-6	
Review	Review Area Senior		Senior	Name of reviewer	Self	Area M.	Senior M.	
type	type Self	Self Manager Manager	Name of reviewer	90 or over	85 or over	80 or over		

Review Item	Key Points to Review	Poor	Rather poor	Fair	Quite good	Good	Comments
		20 pt.	40 pt.	60 pt.	80 pt.	100 pt.	
Sustainment	(Steps 1 to 3 activities properly managed and sustained?) -Action against contamination sources being properly						
	sustained? -Good improvements making hard-to-access areas						
	more accessible? -Cleaning and lubrication standards completed and						
	applied rigorously?	1 pt.	2 pt.	3 pt.	4 pt.	5 pt.	
1. Skills Training	-Leaders and team members actively creating OPLs and compiling them into manuals to upgrade their skills?	i pt.	Σ ρι.	<i>5</i> pt.	T pt.	3 рт.	
	-General Inspection skills mastered by all team members?						
2. General Inspection	-Inspection done correctly, covering all items in category trained?						
	-Minor equipment problems identified reliably during inspection process?						
	-Action taken to deal with these problems?						
3. Safety	-Progress made in identifying and fixing minor equipment problems that compromise safety?						
4. Shop-floor review (Lubrication)	-Lubrication points correctly and clearly labelled, with effective systems for ensuring that none is missed out?						
	-Correct lubricant types being used?						
	-Correct amounts of lubricant being used?						
	-Lubricants clean and not degraded?						
	-All lubrication pipes unblocked and undamaged?						
	-Lubricants always available when needed?						
	-Different lubricators, oil cans, etc. used for different types of lubricant?						
	-All grease nipples and lubricators undamaged and free of dust and dirt?						
	-Different lubricant types separated and arranged systematically in lubrication stations? Lids always kept on containers? Stations appropriately located and free from dust and dirt?						
5. Provisional Autonomous Maintenance standards	-Provisional checking standards completed?						
	-Improvements made to reduce number of checks required?						
	-Improvements done to make checks easier to carry out?						
	-Suitable checking methods and checking intervals adopted?						
	-Ways found to ensure that all checks are done reliably, without any being omitted?						

Autonomo	tonomous Maintenance Review Request		Request	Area / Team		Submission dat	Area manager	Team leader
Autonomo	us Maintena	ance Review	Sheet	Equip. Unit No.		Score: pt.	Pass	Fail
Step 4-3: General Inspection (Drives)				Date requested for review		Score. pt.	1 ass	1 an
Step 4-3: G	eneral Inspect	ion (Drives)		Actual date / Time of review		Pass levels :Score = total score for Review Ite		
Review	C 16	Area Senior		Name of reviewer		Self	Area M.	Senior M.
type	Self	Manager	Manager	Name of reviewer		90 or over	85 or over	80 or over

Review Item	Key Points to Review	Poor	Rather poor	Fair	Quite good	Good	Comments
		20 pt.	40 pt.	60 pt.	80 pt.	100 pt.	
Sustainment	(Steps 1 to 3 activities properly managed and sustained?) -Action against contamination sources being properly sustained? -Good improvements making hard-to-access						
	areas more accessible? -Cleaning and lubrication standards						
	completed and applied rigorously?	1 pt.	2 pt.	3 pt.	4 pt.	5 pt.	
1. Skills Training	-Leaders and team members actively creating OPLs and compiling them into manuals to upgrade their skills? -General Inspection skills mastered by all team members?	1 pt.	Σ ρι.	3 рт.	4 pt.	3 рг.	
2. General Inspection	-Inspection done correctly, covering all items in category trained?						
	-Minor equipment problems identified reliably during inspection process?						
	-Action taken to deal with these problems?						
3. Safety	-Progress made in identifying and fixing minor equipment problems that compromise safety?						
4. Shop-floor review (Drives)	-V-belts unworn and in good condition? Pulleys unworn and properly centred? -V-belts correctly tensioned?						
	-Visual controls introduced on V-belt covers to indicate direction of rotation, belt specifications, etc.?						
	-Lubricating oil penetrating fully between pins and bushes on chains?						
	-Chains unstretched and properly centred? Chains free of meshing problems due to worn sprockets?						
	-Bearings free of overheating, vibration or strange noises due to bent or off-centre shafts, loose fixing bolts, under- lubrication, etc.?						
	-Shafts, keys and couplings free of play (loose bolts, etc.)? -Irregular noise in gearboxes, speed						
	reducers , etc.? -Gearboxes, speed reducers, etc. properly						
5. Provisional Autonomous	lubricated? Any overheating? -Provisional checking standards completed?						
Maintenance standards	-Improvements made to reduce number of checks required?						
	-Improvements done to make checks easier to carry out?						
	-Suitable checking methods and checking intervals adopted?						
	-Ways found to ensure that all checks are done reliably, without any being omitted?						

Table 5.9-(7)

Autonomo	utonomous Maintenance Review Request			Area / Team		Submission date	Area manager	Team leader
Autonomo	us Mainten:	ance Review	Sheet	Equip. Unit No.		Score: pt.	Pass	Fail
Step 4-4: G	step 4-4: General Inspection			Date requested for review		Score. pt.	1 ass	ran
(Hydraulics	(Hydraulics and Pneumatics)		Actual date / Time of review		Pass levels :Score = total score for Review Items			
Review	G 16	Area	Senior	Name of reviewer		Self	Area M.	Senior M.
type	Self	Manager	Manager	ivaine of reviewer		90 or over	85 or over	80 or over

Review Item	Key Points to Review	Poor	Rather poor	Fair	Quite good	Good	Comments
		20 pt.	40 pt.	60 pt.	80 pt.	100 pt.	
Sustainment	(Steps 1 to 3 activities properly managed and sustained?) -Action against contamination sources being properly sustained? -Good improvements making hard-to-access areas more accessible? -Cleaning and lubrication standards completed and applied rigorously?						
	completed and applied figorously?	1 pt.	2 pt.	3 pt.	4 pt.	5 pt.	
1. Skills Training	-Leaders and team members actively creating OPLs and compiling them into manuals to upgrade their skills? -General Inspection skills mastered by all team members?	T pt.	2 μι.	3 pt.	4 μι.	3 рг.	
2. General Inspection	-Inspection done correctly, covering all items in category trained?						
	-Minor equipment problems identified reliably during inspection process?						
	-Action taken to deal with these problems?						
3. Safety	-Progress made in identifying and fixing minor equipment problems that compromise safety?						
4. Shop-floor review (Hydraulics and Pneumatics, plus circulation systems)	-Pipes and units free of leaks and stains? -All units effectively protected against dust?						
	-Motors and pumps free of irregular noise and vibration, and switchover valves, solenoid valves, etc. free of odd noises, strange smells, etc.? -Correct oil volume and oil temperature in hydraulic units?						
	-FRLs being used correctly (correct oil volume, clean filter, etc.)?						
	-Hoses correctly installed, clean, undamaged and free of vibration? -Pipes run above floor level, and properly						
	supported? -Pipes easy to inspect and service?						
	-Pressure gauges all in order (correct readings, easily-read dials)?						
5. Provisional Autonomous Maintenance standards	-Provisional checking standards completed? -Improvements made to reduce number of						
	checks required? -Improvements done to make checks easier						
	to carry out? -Suitable checking methods and checking intervals adopted?						
	-Ways found to ensure that all checks are done reliably, without any being omitted?						

Autonomo	us Maintena	ance Review	Request	Area / Team		Submission date	Area manager	Team leader
Autonomo	utonomous Maintenance Review Sheet			Equip. Unit No.		Score: pt.	Pass	Fail
Step 4-5: General Inspection(Electrics)				Date requested for review		Beore. pt.	1 433	1 411
Step 4-3. G	Step 4-5: General Inspection(Electrics)		Actual date / Time of review		Pass levels :Scor	e = total score for R	eview Items 1-6	
Review	G 16	Area	Senior	Name of reviewer		Self	Area M.	Senior M.
type	Self	Manager	Manager	Name of reviewer	lewei		85 or over	80 or over

Review Item	Key Points to Review	Poor	Rather poor	Fair	Quite good	Good	Comments
		20 pt.	40 pt.	60 pt.	80 pt.	100 pt.	
Sustainment	(Steps 1 to 3 activities properly managed and sustained?) -Action against contamination sources being properly sustained? -Good improvements making hard-to-access areas more accessible? -Cleaning and lubrication standards						
	completed and applied rigorously?	1 .	2 .	2 .	1 4 .	- ·	
1. Skills Training	-Leaders and team members actively creating OPLs and compiling them into manuals to upgrade their skills? -General Inspection skills mastered by all team members?	1 pt.	2 pt.	3 pt.	4 pt.	5 pt.	
2. General Inspection	-Inspection done correctly, covering all items in category trained?						
	-Minor equipment problems identified reliably during inspection process?						
	-Action taken to deal with these problems?						
3. Safety	-Progress made in identifying and fixing minor equipment problems that compromise safety?						
4. Shop-floor review (Electrics)	-Distribution panels, control panels and operating panels all clearly marked? -Temperature in distribution panels, control						
	panels and operating panels low enough? -Distribution panels, control panels and						
	operating panels all clean (free of water, oil, dirt, etc.?)						
	-Door seals, filters, etc. on distribution panels, control panels and operating panels all clean and undamaged?						
	-No irregularities in wiring or contacts (overheating, damage, unsafe layout)? -Motors free of overheating, strange noises,						
	vibration? -Sensors securely installed in correct						
	positions, and making proper contact? -Sensors all clean (free of water, oil, dirt, etc.)?						
	-Sensors undamaged, with all lead wires correctly installed? Effectively protected against possible damage?						
5. Provisional Autonomous Maintenance standards	-Provisional checking standards completed?						
	-Improvements made to reduce number of checks required?						
	Improvements done to make checks easier to carry out? Suitable checking methods and checking						
	intervals adopted?						
	-Ways found to ensure that all checks are done reliably, without any being omitted?						

Autonomous	s Maintena	nce Review l	Request	Area / Team		Submission	date	Area manager	Team leader	
Autonomous	Autonomous Maintenance Review Sheet			Equip. Unit No.		Score:	pt.	Pass	Fail	
Step 1. Initial Chaming (Assemble Cham))	Date requested for review		Pass levels :Score = total score for 'equipment' (Review				
Step 1. Illitial	Step 1: Initial Cleaning (Assembly Shop)		,	Actual date / Time of review		Items 1-5)	Items 1-5) + score for 'people' (Review Item 6)			
Review	C-16	Area	Senior	Name of reviewer		Self		Area M.	Senior M.	
type	Self	Manager	Manager	ivaine of feviewer		90 or ov	er	85 or over	80 or over	
			•							

R	eview Iter	n	Key Points	to Review		Poor	Rather poor	Fair	Quite good	Good	Comments
1 0	1 1.	C	El 6 611 11	4 ' 1		1 pt.	2 pt.	3 pt.	4 pt.	5 pt.	
1. C surroundi	leanliness ing area	s of	-Floors free of dirt, oil waste material, nuts, t -All unnecessary object	oolts, etc.?							
			-Cleaning tools, work t neatly in designated p -Floor marking standar	ositions?							
	iness of pe nt, assemb		-Free of dirt, dust and o -All parts suitably tight wear? -Electric cables undam -Equipment and tools k and stored in a well-o	tened and free aged? ept in good co	ondition						
carts, benches a	liness of shelving, and other rts are pla	work items on	-Trolleys, carts, shelve: positioned correctly? -Unnecessary objects c	leared away?							
4. Clean	liness of	storage	stable and in good corsafety -risks? -Components stored ne	ndition, posin	ig no						
points	for a	ssembly	right-angles (on shelv etc.)?								
			-Components clearly la glance what each is us		w at a						
	imination to-access		-Systematic feedback of improve precision in a -Chart drawn up plotting and dust, and areas the Plan formulated for do	upstream prooning all sources at are hard to ealing with the	cesses? of dirt clean? nese?						
			-Improved cleaning too -Cleaning areas clearly allocated?		1?						
6. Way i	in which	TPM is	-Do all team members	have a good	Points	10	20	30	40	50	
being add			understanding of wha means, and are they a involved in implemen	t TPM ll fully	Score						
	Po	oints	1 point / 10 points	2 points / 2	0 points	3 points	s / 30 points	4 poin	ts / 40 point		oints / 50 points
key	1-5	Equipment	Hardly implemented at all	Only implem obvious place			ted in specifi (e.g. sliding tes)		plemented i fficult and less places	cleani diffici be add	checking through ing' achieved, and ult areas starting to dressed
Scoring key	6	People	No interest at all	Only mainter staff and sup active		Operators but doing tasks only			ors doing all the work	clearl	onsibilities y defined, and thing being done rly

Autonomo	utonomous Maintenance Review Request			Area / Team	Submission date	Area manager	Team leader
Autonomo	us Maintena	nce Review S	Sheet	Equip. Unit No.	Score: pt.	Pass	Fail
Step 2: Contamination Sources and Hard-to-Access			l-to-Access	Date requested for review	Score. pt.	1 455	Tan
Areas (Assembly Shop)		Actual date / Time of review	Pass levels :Score = total score for Review Items				
Review	G 16	Area	Senior	NI	Self	Area M.	Senior M.
type	Self	Manager	Manager	Name of reviewer	90 or over	85 or over	80 or over

Rev	view Item		Key Points to	o Review	Poor	Rather poor	Fa	ir	Quite good	Good		Comments
					1 pt.	2 pt.	3 p	t.	4 pt.	5 pt.		
1. Sustainn	nent of St	ep 1	-Cleaning levels achieved Cleaning) being properly									
2. Measure appropriate permanent	e levels of		-Measures taken to ensu levels are maintained?	ire suitable stock								
			-Improvements and mod introduced to make re- visible at a glance?									
3. Countern peripheral assembly to	equipmen		-Sources of dirt, dust, o etc. all plotted on a char rectify them?									
			-Improvements and mod introduced to make re- visible at a glance?									
4. Counters component assembly s	shelves a	ınd	-Chart drawn up plottin disruption to storage sy appropriate action taker	stem, and								
			-Improvements and modintroduced to make renvisible at a glance?									
5. Improve sustainmen plans			-Systematic feedback of improve precision in up Strategies worked out for conditions in the future	stream processes? or sustaining								
6. Status of	f activities	5	-All team members acti	vely involved?								
			-Plenty of original though improvements?	ght going into the								
	Po	oints	2 points	4 points		6 points			8 points			10 points
key	1-5	Equip- ment	Hardly implemented at all	Only implemented in obvious places	Implemo	ented in spe	cific	more	implement difficult ar ous places		lubr hard issu	
Scoring key	6	People	No interest at all	Only maintenance staff and supervisors active		ors taking pa ng the easy nly	art,		ators doing y all the wo		clea	ponsibilities orly defined, and orything being done oerly

Autonomo	utonomous Maintenance Review Request			Area / Team		Submission	date	Area manager	Team leader
Autonomo	utonomous Maintenance Review Sheet			Equip. Unit No.		Score:	pt.	Pass	Fail
Ston 2: Sustainment Standards (Assembly Shon)			v. Cham)	Date requested for review		Score.	pt. 1	1 433	1 411
Step 3: Sus	Step 3: Sustainment Standards (Assembly Shop)		Actual date / Time of review			Pass levels			
Review	G 16	Area	Senior	Name of reviewer		Self		Area M.	Senior M.
type Self M	Manager Manager	Name of reviewer		90 or ov	er	85 or over	80 or over		

		T	Rather		Quite	1	T
Review Item	Key Points to Review	Poor	poor	Fair	good	Good	Comments
1. Sustainment of Steps 1 and	-Cleaning levels achieved in Step 1 (Initial	3 pt.	6 pt.	9 pt.	12 pt.	15pt.	
2	Cleaning) and improvements made in Step 2 (Contamination Sources and Hard-to-Access Areas) being properly sustained?						
2. Efficient system based on	-Precise standards created for managing	2 pt.	4 pt.	6 pt.	8 pt.	10 pt.	
work standards, checking standards and workplace management standards	assembly equipment, tools, and consumables?						
	-Cleaning and inspection standards created for equipment, tools, assembly areas and storage areas? Standards being observed?						
	-Inspection efficiency maximised; system allows problems or defects to be rectified quickly?						
	-Standards for component storage and placement clearly defined, and visual controls used?						
	-Work standards established and observed?						
	-Layout revised and improved to raise efficiency of assembly work?						
	-Assembly work schedule drawn up by team itself, displayed clearly, and properly maintained?						
3. Status of activities	-Activity boards used effectively?	1 pt.	2 pt.	3 pt.	4 pt.	5 pt.	
		,	F				
	-Many improvement suggestions being made, and efficiency drive being actively implemented?						
4. Improvement and sustainment, and future plans	-Improvements being actively pursued? Team discussing how to proceed to next step?						
	-Improvements actively pursued to make checking easier and enhance visual management?						

					\neg	Date :					
Applicatio	n for Auton	omous Mair	ntenance Revie	ew	İ	TPM Of	ffice	Area N	Manager	Supervisor	Originator
C+	ep No.	(Review	No.)								
31	ср по.	(KCVICW	140.								
	A mag /	Line/ Team	Team Nam		I	dan'a Nama	N.		f members Equipment to be Reviewed		
Team making applicat		Line/ Team	Team Nam	e	Lea	Leader's Name N). 01 m	embers	Equipment to	be Reviewed
5 TF											
	1							Total time	<u> </u>	hr.	
Overall Status of	Date last ste			Status	of Act	ivities	Work	Time	Total no.	of people	III.
Activities	Preferred d	fred date for review of current step			ig to C	Current Step	Meet	ting	Total no. o	of meetings	hr.
	Number of	improvement s	suggestions				tim	ne	Total no.	of participants	III.
Requested focus of review	Scope Key point Difficultion overcom	28									
Date/time of review			ъ	ia				Π,	lanal	Data	
Duration of review			Re	viewer					Conclusion	Date	
Chief Reviewer's Comments	3					TPM Of					

	Autonomous	Maintenance	Activities	Report
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Date :			
TPM Office	Area Manager	Supervisor	Originator

Step No.	Area / Li	ne / Team	1	Team Nan	ne	Lea	der's Naı	me	No. of	member	S			Topic	
1															
	Date	Catego	ory	De	tails				(note ti		Tir	ne sp	ent	No. of people	Total Time
						-									
-Meetings held															
-Action taken															
-Training															
received															
-Results achieved															
Meetings = M															
Action = A															
Teaching = T Practice = P															
	1	· I	No tal	en on by	,	•				1				No. of	•
No. of problems identified		en on by		her	Com	pleted		Carried next n	over to				No.	People	Total time
identified	10	team		tments	Curre	irrent month	1111	next n	ilonui	Result		tings			
					+							hing			
		i i										ctice			
Schedule of Activities for															
Next Month															
								S	tratify,	1 _			~		
	dentify	Select	Set t	argets	Plan		Analyse	ana	lyse, and		ake ective		nfirm and	Assess results and	Review
Improvement Si Progress Check	tuation	topics		J	activitie	s s	situation		ck down		tion		olidate	benefits	

Manager's views and advice (co	omments from review, etc.)
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Minutes of Masting / Action			Area Committee Area Subcommittee Team			TPM Office Area Manager				Supervisor	Team Leader		
Date (of Issue) Area / Line / Team			Team Name			Lea	corder						
`													
	ı			1									
Topic or agenda						g Date & Date & Ti							
		Details		ng Date &									
Participants	ticipants				ies	Training Date & Time							
Absentees					Practice Date & Time								
						Total ti	me (hr.) × (people	:) =	person-hrs.		
No		Itom	1	Description /	Action		De	adlina		Pers	on		
NO	Item 1			Jescription /	Action		De	Deadline			sible		
			l				l		I		ļ		
Next topic or				Next sche	duled	Date		Time		Place			
agenda				meetin	ıg	Date		1 11110		1 1400			
Supervisor's cor	mments		Area Manager's					TPM Office's					

Table 5.13 Example of a Team Activity Report

Example of a Team Activity Report										
Team	Activity Report	Issue			, , , , , , , , , , , , , , , , , , ,	October 18, 200_ (5 th meeting)				
	• •	Team	<u>l</u>			Twisters				
Topic	2	Area				Tool Area 3, Shift 1, Group 5				
Getting ready to undergo the Step 2 review			Leader	Johr	iston	Recorder Jones				
			Work do	ne	_: to	:(time) on/(date)				
Partic	cipants:	ties	Meeting		15:50 to 17:00 on October 15					
Johnston, Jones, Shaw, Elliott, Hall, Augustine		Activities	Teaching carried out		_: to	_: (time) on/ (date)				
Abse	ntees:		Total time (1 hour)			$(6^{\text{persons}}) = (6^{\text{persons}})$ hours				
No.	Item	Actio	n			Duration	Person responsible			
1	Our Step 2 review will take place on October 22. What do we do between now and then?	ar oı	eview init nd night sh ut 15 minu eaning aft	nifts) : utes' v	igorous	From October 8	Everyone			
			raw up a l or initial cl			October 8	Jones			
			e-tagging boards	October 20	Shaw					
2	An anti-scatter cover is now installed, but there is still some spillage from the gaps.	(1) Ti	ry out Vers	sion 8	spot-cover	October 20	Elliott, Hall			
3	Re-check the situation (1) Record using VTR borrowed from Area Manager					October 20	Augustine			
	Manager's comments:		Office's c	-		Supervisor's comments:				
	3 should be read and	Hold	meetings	more	often	Keep following the PDCA				
under	rstood					cycle as you do this				