

# FIRE PROTECTION APPLIANCES MAINTENANCE

Appliance	Category	Detail	Interval				
				Jan 1	Feb 2	Mar 3	Apr 4
Emergency Fire Pump	Operational Test	Test with isolation valves closed	Annual				
	Operational Test	Check pressure at hoses on bridge and fwd	Weekly				
	Inspection	Fuel Quantity & heating system condition (applicable ships only - diesel engine driven p/ps)	Monthly				
Fire Pumps	Operational Test	Check pressure at hoses on bridge and fwd	Monthly				
	Operational Test & Inspection	Flow test all fire pumps.Pressure & Capacity check. Relief valve(if fitted) setting/position	Annual				
Water Spray Pump / Water Mist System (Applicable Ships Only)	Inspection	a) Control panel indication lamp test b) Visual inspection - pump and its fittings c) Pump unit valve position correct	Weekly				
	Inspection	a) Control, pump unit & section valve position b) Tank levels c) All pressures within range	Monthly				
	Operational Test	Automatic starting arrgmt on all system pumps	Monthly				
	Operational Test	System section v/v for flow and alarms activation (Note – The valves selected for testing should be chosen to ensure that all valves are tested within a one-year period.)	Monthly				
	Annual Inspection	As per FFA Maintenance Standards	Annual				
	Operational Test	Check pressure at nozzle on dome and W/H	3 Monthly				
	Inspection	As per FFA Maintenance Standard	5 years				
	Hydrostatic Testing & Internal Examination	As per FFA Maintenance Standards	10 years				
Automatic/Manual Fire Alarm Devices			-				
Fixed Gas Detection Alarm	Simulation Test	Sounding of siren and discharging CO2 in engine room	Annual				
Fire alarm Call Point	Operation Test	Manually operate at least one fire call point each in engine room and accomodation without breaking glass. <b>Complete all within 6 months</b>	Monthly				
PA System & Gen. Alarm	Function Test		Weekly				
Smoke Detector	Operation Test		6 Months				
	Air suction Motors	Switching	Daily	/	/	/	/
	Indication lamp test		E. Watch	/	/	/	/
	Sensitivity adjustment		As Required				

**Note:** Please refer to FFA Maintenance Standard <S-103001-02FIG> for details of each inspection and maintenance irrespective of whether reference is provided in the "Detail" section of this checklist.

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		Smoke Test	Smoke Test	Annual				
Fire Alarm and Detection Equipment			Test Emergency power supply switchover (during blackout test)	Annual				
Fire Detection equipment	Inspection		Indication lamp test	Weekly				
	Operational Test		Every month test sample, complete all within 6 months	Monthly				
	Inspection		Tampering / obstruction (complete all within 1 yr)	Annual				
	Test for Proper Operation		As per FFA Maintenance Standard. Take precaution for accidental release of any fire extinguishing medium	Annual				
Sampling Tube	Cleaning			2 years				



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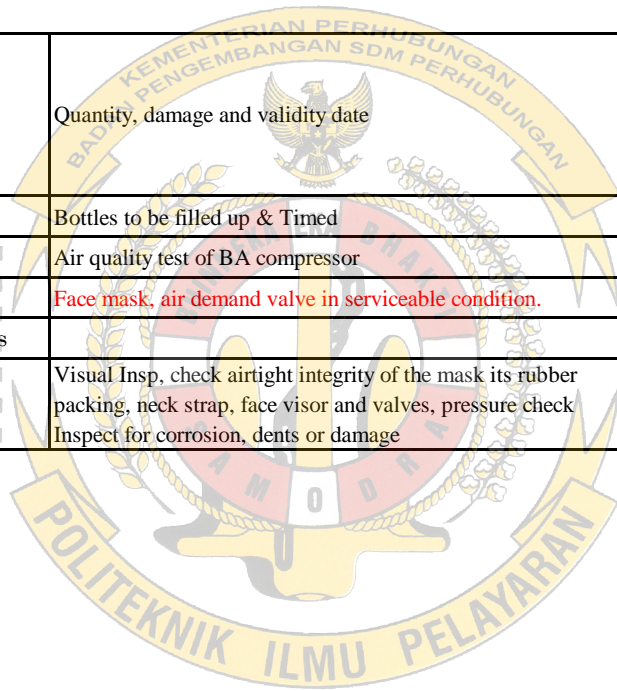
# FIRE PROTECTION APPLIANCES MAINTENANCE

Appliance	Category	Detail	Interval				
				Jan 1	Feb 2	Mar 3	Apr 4
Carbon Dioxide/Halon Fire Extinguishers(FIXED GAS)	Survey	Alarm device sounding test	Annual				
		CO2/Halon weight inspection	IS,SS				
Control mechanism	Inspection	a) Indication Lamp Test b) Control / Section Valves in correct position	Weekly				
Fixed installation	Inspection	Proper Pressure, Free from leakage, Ref FFA Maintenance Standard	Monthly				
	Inspection	connections for cable operating system clips should be checked for tightness	3 Monthly				
Liquid CO2 storage unit			-				
Liquid level(BULK)	Record liquid level	To be done by Ship Staff	Daily	/	/	/	/
Liquid level(Bottles)	Verification of Contents by weight/isotropic measuring.		2 years				
Liquid level(HALON)	Leakage test to be carried out annually		Annual				
Refrigerating Unit	Inspection	Delivery and Suction Pressure	At M0 Check	/	/	/	/
		Quantity of Refrigerants		/	/	/	/
		Abnormal Noise		/	/	/	/
	Annual Inspection	As per FFA Maintenance Standards	Annual				
Line Blowing & Nozzle Check		To be conducted in presence of authorized workshop	Annual				
Master & Safety Valve	Operational Test		Annual				
Exh Fan/CO2 Alarm	Operational Test		3 Monthly				
Hydrostatic Press Testing of Tank/Bottle		As per FFA Maintenance Standards	10 yrs				
Control v/v Internal inspection			5 years				
Fixed Foam Fire installation			-				
Tank	Inspection	Liquid level	Monthly				
Control mechanism	Inspection	Including section v/v position & pressure range	Monthly				
Turret Nozzle	Inspection and Maintenance	Moving part oiling	Monthly				
		Derusting and painting	Monthly				
	Operational Test	Run without using foam from storage tank	Annual				
	Annual Inspection	As per FFA Maintenance Standards	Annual				
Shore Analysis of foam	Analysis		Annual				
Shore Analysis of foam	Analysis		Annual				

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# FIRE PROTECTION APPLIANCES MAINTENANCE

	Original Medium	Inspection	Survey / Service life inspection. <b>Ref FFA Maintenance Stds</b>	3 years				
	Foam Fire Extinguishing system	Inspections / Servicing	<b>As per FFA Maintenance Standards</b>	5 years				
Emergency Generator	Load test		Tankers/LPG: 1 Month; Others 6 months	Type interval as per ship type				
	Fuel Tank Remote Cut off			3 Monthly				
	Operational Test & Tank Level Check			Weekly				
Fire Protection Appliances				-				
Fireman's outfits				-				
Fire fighting wear	Inspection	Quantity, damage and validity date		Monthly				
				Monthly				
				Monthly				
				Monthly				
B.A. Compressor	Operational Test		Bottles to be filled up & Timed	Monthly				
Air Quality Test	Analysis		Air quality test of BA compressor	Annual				
<b>Breathing Apparatus</b>	<b>Inspection / servicing</b>		<b>Face mask, air demand valve in serviceable condition.</b>	<b>Annual</b>				
Breathing Apparatus	Hydrostatic Test of Cylinders			5 years				
	External examination		Visual Insp, check airtight integrity of the mask its rubber packing, neck strap, face visor and valves, pressure check Inspect for corrosion, dents or damage	Weekly				



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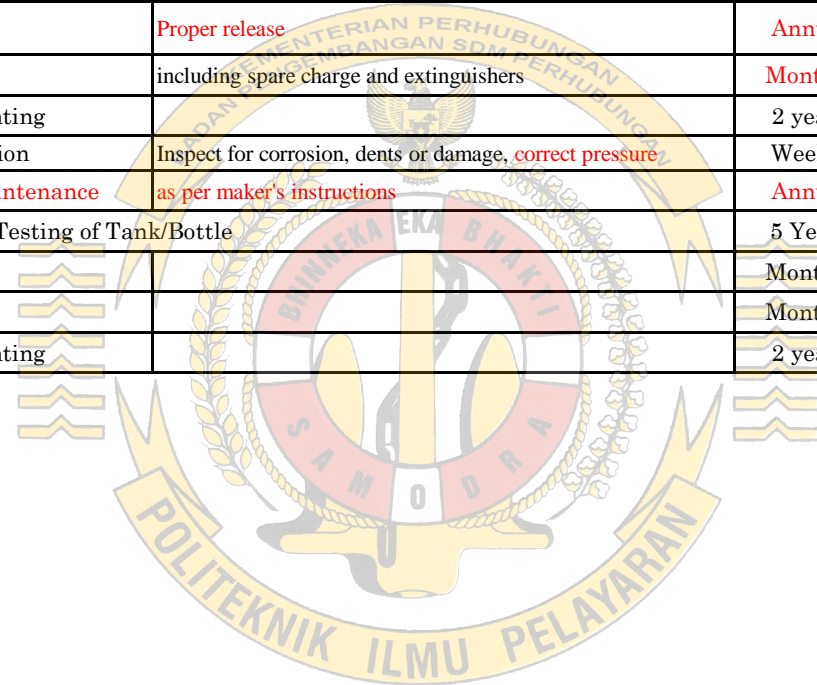
# FIRE PROTECTION APPLIANCES MAINTENANCE

Appliance	Category	Detail	Interval					
				Jan 1	Feb 2	Mar 3	Apr 4	
Portable fire extinguishers	Discharge test	Pick up any optional one for each type	5 years					
		External examination / Visual Inspection <b>Including Fire Extinguishers in lifeboats</b>	Monthly					
	Dry Chemical	Recharge	As per Maintenance criteria for f,extinguisher	5 years				
		Annual Inspection	As per Maintenance criteria for f,extinguisher	Annual				
		Hydrostatic Test		10 years				
	Chemical Foam	Recharge	As per Maintenance criteria for f,extinguisher	Annual				
		Hydrostatic Test		10 years				
	Carbon-dioxide	Annual Inspection	As per Maintenance criteria for f,extinguisher	Annual				
		Hydrostatic Test		10 years				
	Portable foam applicator	Inspection	Quantity, Condition, location & validity	Monthly				
Annual Inspection		As per Maintenance criteria for f,extinguisher & FFA Maintenance standard	Annual					
Recharge			4 years					
Fixed/Wheel type fire extinguishers(Trolley Type)								
All types	Inspection	Quantity, Condition, location & validity(if any)	Monthly					
	Inspection	Visual Examination (atleast one of each type)	5 years					
Chemical Foam	Recharge	As per Maintenance criteria for f,extinguisher	Annual					
	Annual Inspection	As per FFA Maintenance Standard	Annual					
	Hydrostatic Test (Pressurised Cylinder test and including propellant catridges)		10 years					
Dry Chemical	Recharge	As per Maintenance criteria for f,extinguisher	5 years					
	Annual Inspection	As per Maintenance criteria for f,extinguisher	Annual					
	Hydrostatic Test (Pressurised Cylinder test and including propellant catridges)		10 years					
Carbon-dioxide	Annual Inspection	As per Maintenance criteria for f,extinguisher	Annual					
	Hydrostatic Test (Pressurised Cylinder test and including propellant catridges)		5 years					
<b>Galley and deep fat cooking fire-extinguishing systems</b>		<b>In accordance with manufacturer's instructions</b>	<b>2 years</b>					
Int'nal Shore Connection	Inspection	Inventory, Quantity, Damage, Condition	3 Monthly					
Fire Hose	Inspection	Quantity, Damage, Condition	Monthly					
Fire Nozzle								
Fire Bucket/Sand Box								

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# FIRE PROTECTION APPLIANCES MAINTENANCE

Fire Hose	Pressure Test	Pressure test upto ~6kg/cm2	6 Months				
Other Fire fighting Equipment			-				
Fire Door	Inspection	Indication lamp test (if provided for fire door control panel indicators)	Weekly	.....	.....	.....	.....
	External examination	All fire doors. Condition of packings, damage, marking etc.	3 Monthly				
	Operation Test	Local Opn of all fire doors located in main vertical zone bulkheads	3 Monthly				
Remotely Controlled (if fitted)	Operation Test	Proper release	Annual				
Storage Locker	Inventory	including spare charge and extinguishers	Monthly				
Fire hose housing	Derusting and painting		2 years				
EEBD	External examination	Inspect for corrosion, dents or damage, correct pressure	Weekly	.....	.....	.....	.....
	Inspection and Maintenance	as per maker's instructions	Annual				
	Hydrostatic Press Testing of Tank/Bottle		5 Years				
Turret Nozzle and Platform	Moving part oiling		Monthly				
	Operation Test		Monthly				
	Derusting and painting		2 years				



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Appliance	Category	Detail	Interval				
				Jan 1	Feb 2	Mar 3	Apr 4
Other Fire fighting Equipment (Contd...)			-				
Fire Mains	Visual Inspection		Annual				
Fire line Main Isolation & Branch valves	Greasing	Check for free movement of valve	Monthly				
Foam Line Isolation valves	Greasing	Check for free movement of valve	Monthly				
Fire & Foam Hydrant valves	Greasing / Lapping	Check for free movement of valve and leaks	Monthly				
Fire Hydrant valves	Operation Test & Inspection	Proper operation; All Filters/strainers free from debris / contamination	Annual				
Other appliances			-				
Air ventilation shut-off dampers/flaps	Local Operation Test	Operate locally, moving part oiling	Monthly				
	Remote Operation Test	Operate Remote	Annual				
	Operation Test	test all ventilation controls interconnected with fire protection systems	Annual				
	Derusting and painting		2 years				
Pump room Ventilation Interlock			3 Monthly				
Galley Exhaust Duct & Filters	Inspection		Weekly				
	Annual Inspection	free of grease build-up, cleaning	Annual				
Fire Blanket	Checking		3 Monthly				
FO E'cy shut off valves	Operational Test		Annual				
Paint Store Sprinkler System	Operational Test and Clearing the line	Operate and grease the valves.	Monthly				
		Operational test with running water	3 Monthly				

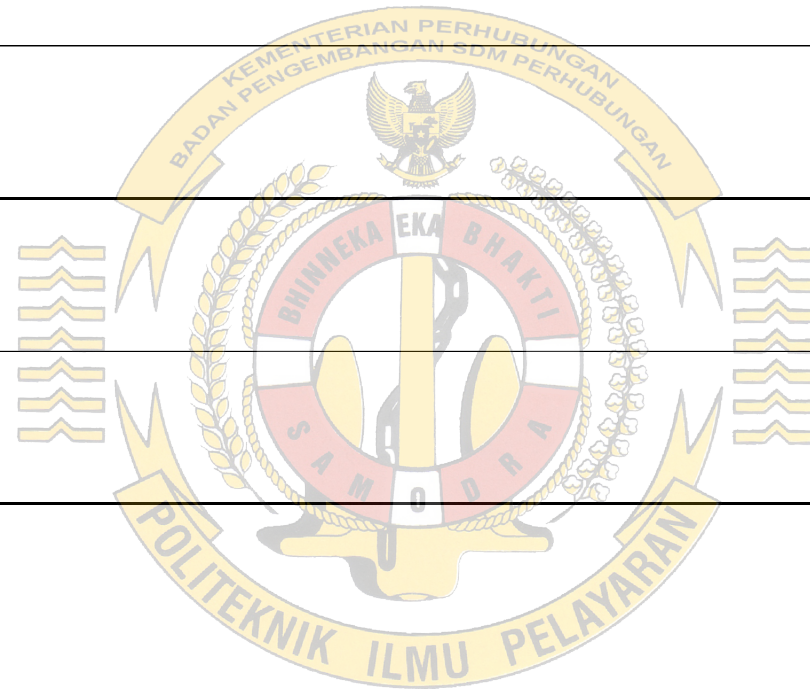
## MONTHLY RECORD OF INSPECTION AND MAINTENANCE (YEAR: \_\_\_\_\_)

MONTH	REMARKS
<b>&lt;DECK&gt;</b>	

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# FIRE PROTECTION APPLIANCES MAINTENANCE

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FEBRUARY	<div style="color: red; font-weight: bold; font-size: 18pt;">&lt;DECK&gt;</div>
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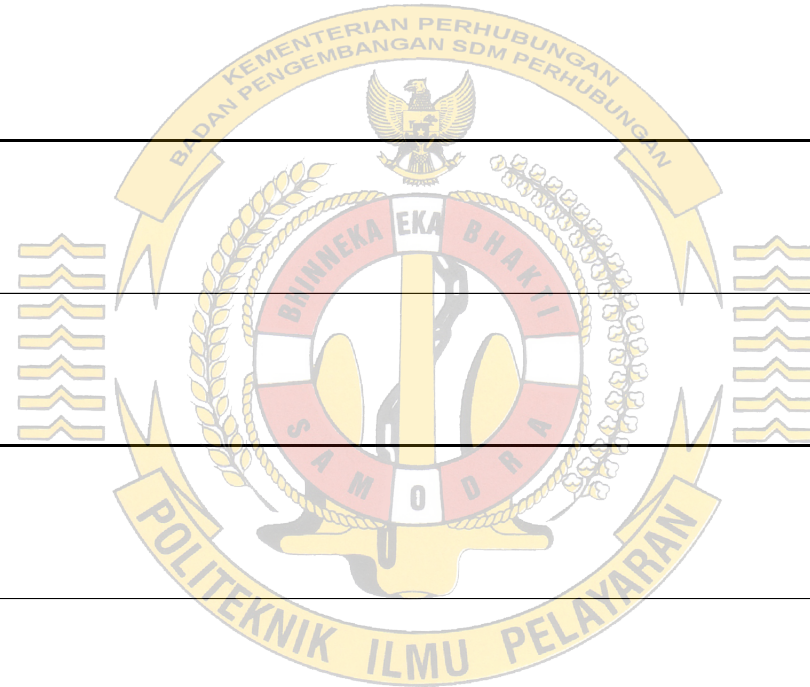
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MONTHLY RECORD OF INSPECTION AND MAINTENANCE (Contd... **YEAR:** \_\_\_\_\_)

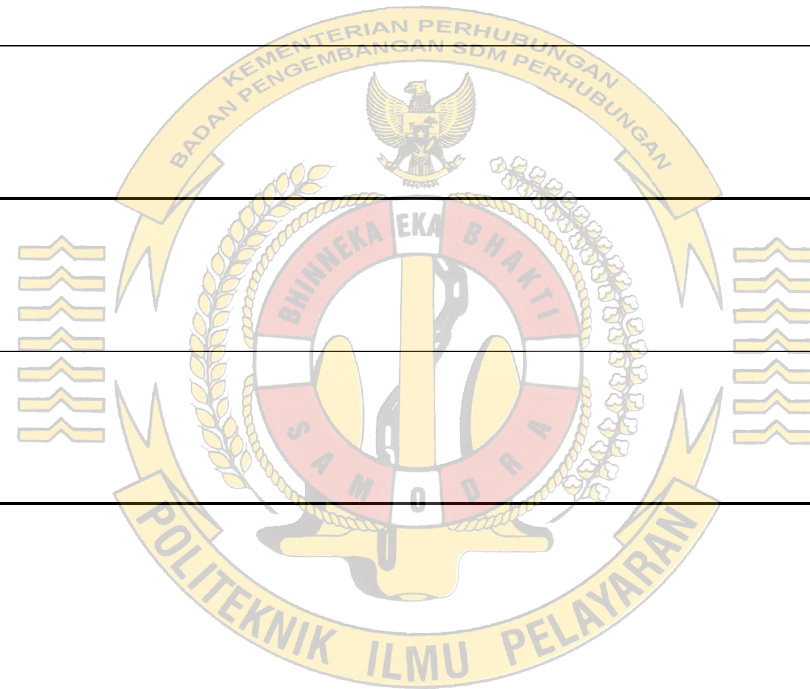
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	<ENGINE>
MAY	<DECK>
	<ENGINE>
JUNE	<DECK>
	<ENGINE>
JULY	<DECK>



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# FIRE PROTECTION APPLIANCES MAINTENANCE

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SEPTEMBER	<DECK>
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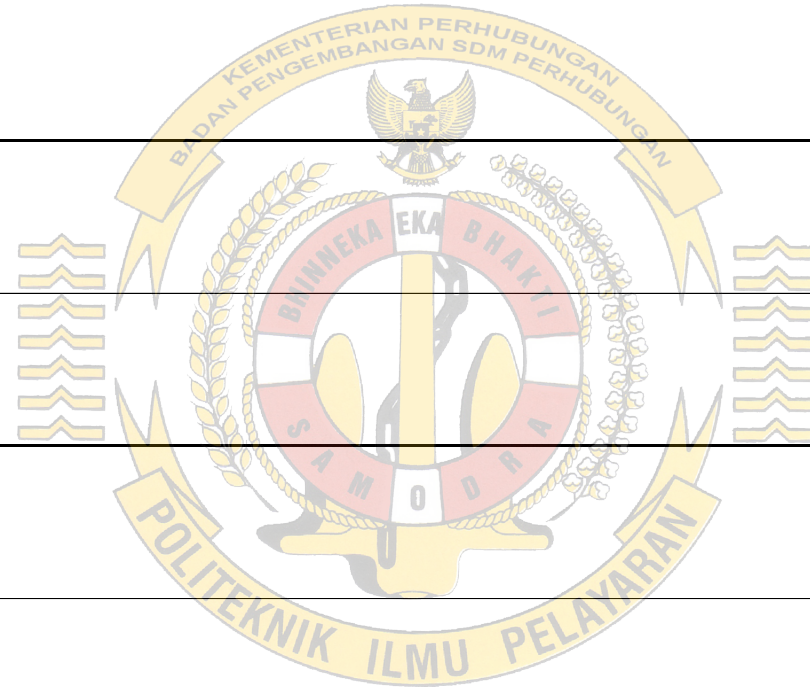


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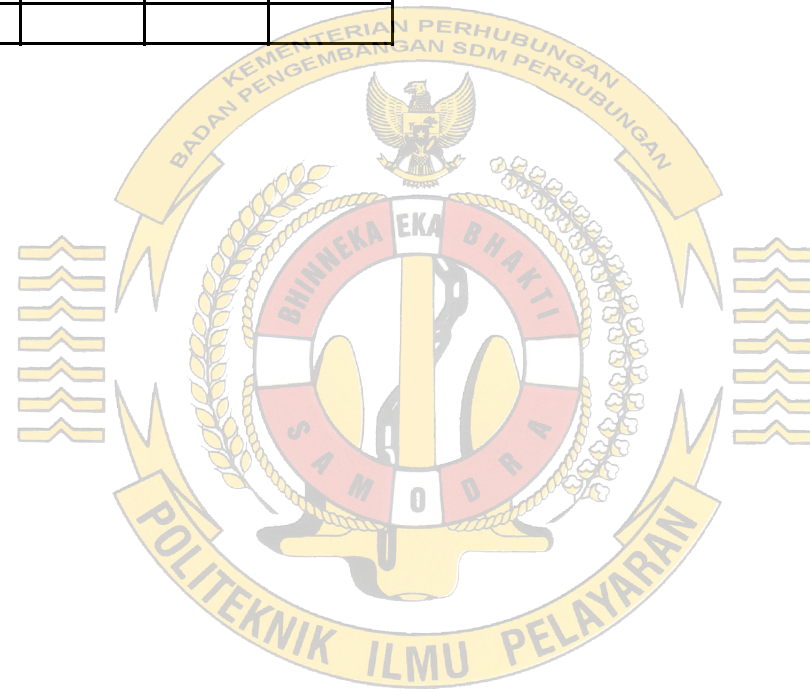
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NOVEMBER	<DECK>
	<ENGINE>
DECEMBER	<DECK>
	<ENGINE>



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# CHECKLIST

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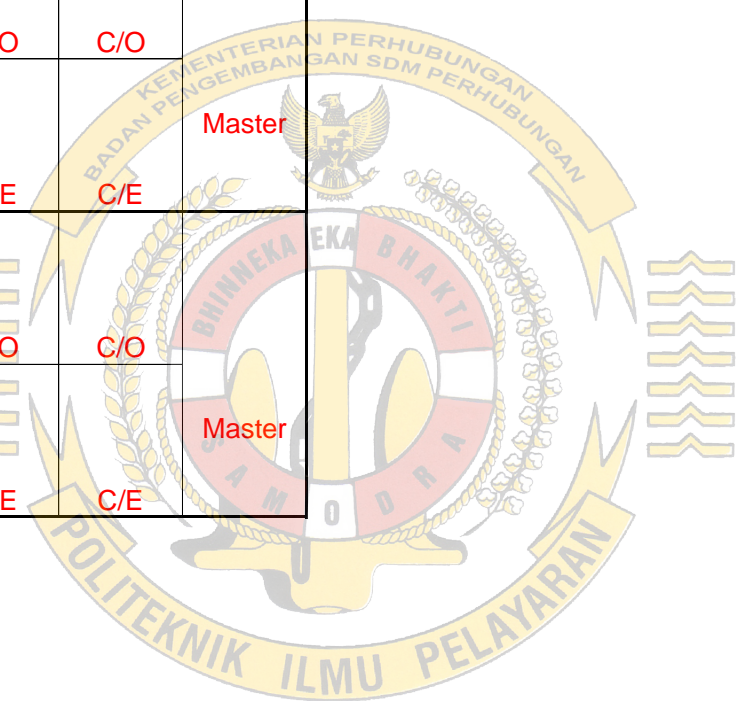






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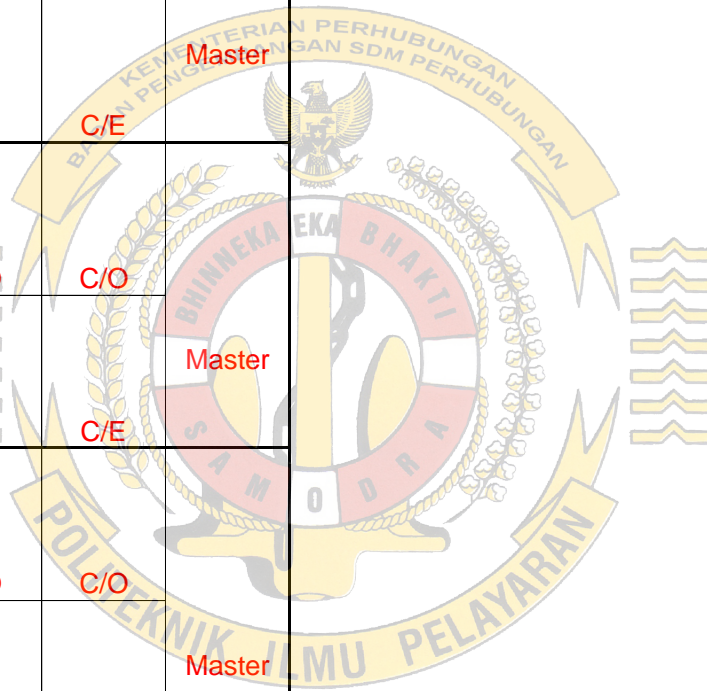
			Master
	3/E	C/E	
	3/O	C/O	
	3/E	C/E	Master
	3/O	C/O	
	3/E	C/E	Master



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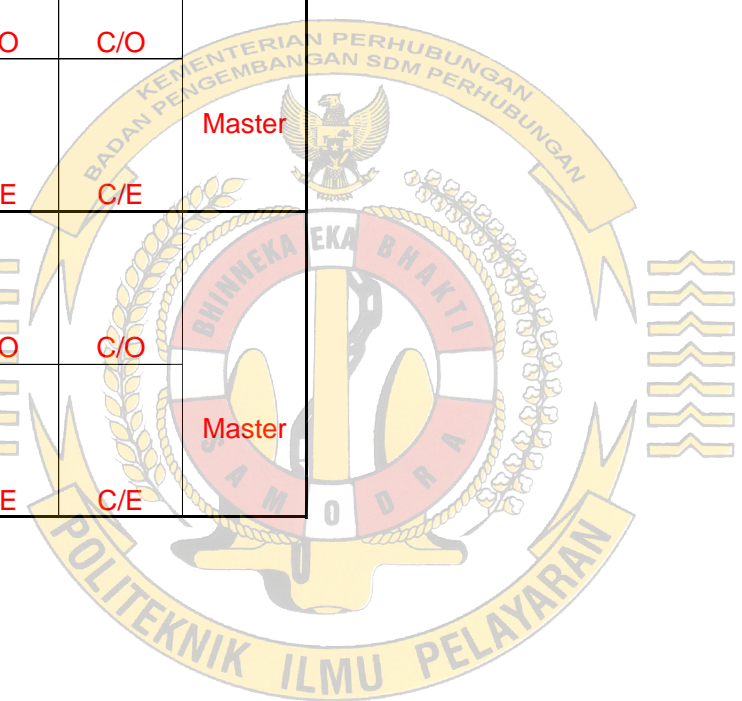
		SIGNATURES	
		3/O	C/O
		3/E	C/E
		3/O	C/O
		3/E	C/E
		3/O	C/O
		3/E	C/E
		3/O	C/O
		3/E	C/E
		3/O	C/O



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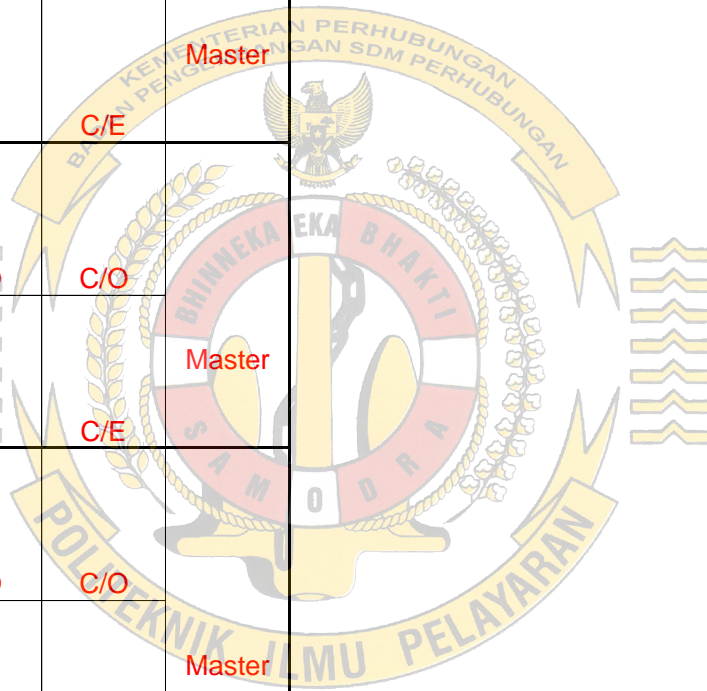
			Master
	3/E	C/E	
	3/O	C/O	
	3/E	C/E	Master
	3/O	C/O	
	3/E	C/E	Master



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# CHECKLIST

		SIGNATURES	
		3/O	C/O
		3/E	C/E
		3/O	C/O
		3/E	C/E
		3/O	C/O
		3/E	C/E



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