IN ACCORDANCE WITH SUB-SECTION 38.3 OF MANUAL OF TESTS AND CRITERIA

N/A = Not Applicable

1. Name/Description of battery

Lithium-ion Battery

1a. Name/Description of the cells inside the battery

3.2V20AH

The test summary of the cells inside the battery must either be presented or under checkpoint 9 and 9a it must be confirmed that the UN 38.3 test summary for the cells is available.

2. Manufac	turer of battery
Name	Zhejiang E-P Equipment Co.,Ltd
Address	Dipu,Anji,Huzhou,Zhejiang,P.R.China
Phone	400-672-8288
Email	info@ep-zl.com
Website	www.ep-zl.com

2a. Manufac	turer of the equipment (if the battery is contained in equipment)
Name	Zhejiang E-P Equipment Co.,Ltd
Address	Dipu,Anji,Huzhou,Zhejiang,P.R.China
Phone	400-672-8288
Email	info@ep-zl.com
Website	www.ep-zl.com

3. Test labo	ratory of battery
Name	CQC Intime Testing Technology Co.,Ltd
Address	East Taihu Technology and Finance City, No.1368 Wuzhong Dadao Rd., Wuzhon
Phone	0512-66303623
Email	cqc_jszlb@126.com
Website	www.cqc-it.com

4. ID-number and date			
Unique test report identification number	20190406J07985	Date of test report	2019.05.15

IN ACCORDANCE WITH SUB-SECTION 38.3 OF MANUAL OF TESTS AND CRITERIA

Name/Description of battery (taken from field 1)

Lithium-ion Battery

DESCRIPTION OF BATTERY

Mark the type of battery with an "•"		
Lithium ion battery	Lithiu	m metal battery
O Lithium hybrid battery		
6. Parameters		
Mass in gram (g):		5800
Lithium ion: Indicate watt-hour rating (Wh):		480
Lithium metal: Indicate lithium metal content in gram (g):		
Lithium hybrid: Indicate lithium metal content in gram (g)	and watt-hour rating (Wh):	g Wh
7. Physical description of battery		
24V20AH		
8. Model numbers		
EL20		

TESTS AND RESULTS

N/A	pass	fail
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
O	0	0
M	Ŏ	Ŏ
	N/A OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	

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IN ACCORDANCE WITH SUB-SECTION 38.3 OF MANUAL OF TESTS AND CRITERIA

9a.UN 38.3 Test Confirmation for the Cells inside the battery

Name/Description of battery (taken from field 1)

Lithium-ion Battery

the cells inside the battery (see checkpoint 1.a.) have successfully passed the UN 38.3 test. In this case under checkpoint 9 the T.6 and T.8 must be marked as "passed" and here under 9.a. "Cell UN 38.3 Test confirmed" needs to be ticked.	UN 38.3 Test NOT confirmed
10. Reference to assembled battery testing requirements	1. 11
UN Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria, ST/SG/AC.10/11/, sub-section 38.3. Rev.6	N/A
11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments	thereto
UN Recommendations on the Transport of Dangerous Goods, Manual of ST/SG/AC.10/11/, sub-section 38.3. Rev.6	Tests and Criteria,
ADDITIONAL SUPPLIER INQUIRY 12. Quality management system for manufacturing batteries Does the manufacturer of the battery manufacture the products based on a documented quality management system according to transport regulations?	YES NO
13. Are the following parameters exceeded? Lithium ion battery: more than 100 Wh Lithium metal battery: more than 2 g Lithium Lithium hybrid Battery: more than 1,5 g Lithium and/or more than 10 Wh	YES NO
Check point 14 – 16 need to be answered when 13 has been ticked "YES":	
14. Does each battery incorporates a safety venting device or is designed to preclude a violent rupture under normal conditions of carriage?	YES NO
15. Is each battery equipped with an effective means of preventing external short circuits?	YES NO
16. Is each battery containing cells or series of cells connected in parallel equipped with effective means as necessary to prevent dangerous reverse current flow (e.g. diodes, fuses, etc.)?	YES NO
17. Only in air transport: State of Charge (SoC) for UN 3480 Lithium ion batteries and lithium poly	umer batteries
State of Charge (SoC) max. 30 %	YES NO O



IN ACCORDANCE WITH SUB-SECTION 38.3 OF MANUAL OF TESTS AND CRITERIA

Name/Description of battery (taken from field 1) Lithium-ion Battery

BATTERIES INSTALLED IN EQUIPMENT

700 . 1.13

10. Check point 10 III	eeds to be answered when the batteries are ins	statted in articles:		and the second second
18.a) Only button cells enclosed?		YES	NO C	
18.b) Number of encl	osed batteries per equipment			1
When the equipment	is intentionally active/switched on during trans	port e.g. data loggers:		
18.c) Confirmation tha	t no dangerous amount of heat is emitted from the	e equipment N/A	(YES	NO (
18.d) Confirmation the air transport stand	at the equipment when transported by air fulfills t lards for electromagnetic radiation according to D	the defined N/A	YES	NO
19. Place, Date	20. Title, Surname, First name	21. Company stam	p and signatur	е



21. Company stamp and signature

