

APPENDIX E

WORKSHEET FOR MANUFACTURER-SUPPLIED TESTING INFORMATION

Worksheet for Manufacturer-Supplied Testing Information

Note: All items should be completed; use N/A (not applicable) where appropriate

GENERAL

Manufacturer: _____

Technology: _____

ID Number: _____

Test Unit Configuration: (e.g. __Series x __Parallel cells etc.)__

RATINGS

RATED CAPACITY: _____ A h (This value is used for all performance tests, and 'percent DOD' is always relative to this value.)

CAPACITY (for Constant Current Testing - Procedure 3)

- At C/3 Discharge Rate: _____ A·h
- At C/2 Discharge Rate: _____ A·h
- At C/1 Discharge Rate: _____ A·h

ENERGY (for Constant Power Testing - Procedure 4)

- At C/3 Discharge Rate: _____ W·h

PEAK POWER (for Peak Power Testing - Procedure 6)

- At 80% DOD & 2/3 OCV: _____ W (A higher [more restrictive] voltage value can be used for rating if specified under Limits.)

OTHER: _____ (specify conditions)

MEASUREMENTS

WEIGHT: _____ kg (actual test unit)

VOLUME: _____ L displacement (actual test unit)

DIMENSIONS: _____ Length (cm maximum)

_____ Width (cm maximum)

_____ Height (cm maximum)

OPEN CIRCUIT VOLTAGE at 80% DOD: _____ V (for Peak Power testing)

OTHER: _____

LIMITS (not permitted to be exceeded during testing)

VOLTAGE

Discharge (minimum)

C/3: _____ V E/1.33: _____ V
C/2: _____ V E/2: _____ V
C/1: _____ V E/4: _____ V

8 second peak power pulse: _____ V
30 second peak power test: _____ V (**cannot be less than 2/3 OCV at 80% DOD at beginning of life**)

Other: _____ V (specify conditions, e.g. OCV)

Charge (maximum)

Sustained: _____ V
Pulse regen (< 8 seconds): _____ V
Other: _____ V (specify conditions)

CURRENT (maximum)

Discharge

Sustained (1 hour): _____ A
< 30 seconds: _____ A
< 8 seconds: _____ A
Other: _____ A (specify conditions)

Charge

Sustained: _____ A
Pulse regen (< 8 seconds): _____ A
Other: _____ A (specify conditions)

TEMPERATURE

Nominal Operating: _____ °C to _____ °C
To Start Discharge: _____ °C (specify min or max)
To Start Charge: _____ °C (specify min or max)
During Discharge: _____ °C (specify min or max)
During Charge: _____ °C (specify min or max)
Other: _____ °C (specify conditions)

CHARGE PROCEDURE

Normal: _____

Fast Charge: _____
