

**Table E417.22-1**

Nickel-cadmium Cell Lot Acceptance <sup>(1)</sup>	Section	Quantity Tested
<b>Cell Lot Acceptance:</b> <sup>(2)</sup>		
Component Examination:	E417.5	
Visual Examination <sup>(3)</sup>	E417.5(b)	100%
Dimension Measurement <sup>(3)</sup>	E417.5(c)	100%
Identification Check <sup>(3)</sup>	E417.5(e)	100%
Cell Screening:		
Cell Reusable Venting Devices <sup>(3)</sup>	E417.22(b)(1)	100%
Cell Inspection and Preparation <sup>(3)</sup>	E417.22(c)	100%
Cell Conditioning <sup>(3)</sup>	E417.22(d)	100%
Cell Characterization <sup>(3)</sup>	E417.22(e)	100%
Charge Retention <sup>(3)</sup>	E417.22(f)	100%
Capacity and Overcharge at 0°C <sup>(3)</sup>	E417.22(g)	100%
Electrical Performance	E417.22(n)	100%
Cell leakage	E417.22(s)	100%
Lot Sample Tests:		
X-ray Inspection <sup>(4)(5)</sup>	E417.5(f)	Lot Sample <sup>(6)</sup>
Cell Non-Reusable Venting Devices <sup>(4)</sup>	E417.22(b)(2)	Lot Sample <sup>(6)</sup>
Post Acceptance Discharge and Storage	E417.22(h)	100% of Lot Remainder

<sup>(1)</sup> Each test that requires a nickel-cadmium cell to undergo a charge or discharge must satisfy paragraph (a)(2) of this section. Unless otherwise specified, each test must begin with the cell fully charged.

<sup>(2)</sup> All nickel-cadmium cells used in a qualification or flight battery must be from a production lot that has successfully passed each cell lot acceptance test required