

## Approvals Hirschmann Wireless BAT-Family

Country Approvals		BAT-R	BAT-F	BAT-C
Region	Country			
<b>America</b>	USA/Canada FCC US (antennas up to 9dBi)	✓	✓	✓
	USA/Canada FCC US (antennas up to 18dBi)	✓	✓	
	Brazil	✓	✓	
	Mexico	✓	✓	
<b>Europe</b>	Europe <sup>1)</sup> (CE/ EN 300328 v1.8.1 / EN 301 893 v1.7.1)	✓	✓	✓
	Norway	✓	✓	
	Switzerland	✓	✓	
	Liechtenstein	✓	✓	
	Russia	pending	pending	
<b>China</b>	China	✓	✓	
<b>RoAP</b>	Australia (C-Tick)	✓	✓	
	New Zealand (C-Tick)	✓	✓	
	India (voluntary certification)	✓	✓	
	Indonesia	✓		
	Malaysia	✓		
	Japan (2.4GHz+5GHz)	✓	✓	
	Korea (only radio module)	✓	✓	
	Singapore	✓	✓	
	Thailand		✓	
<b>Middle East &amp; Africa</b>	Algeria		✓	
	Saudi Arabia		✓	

Special Approvals		BAT-R	BAT-F	BAT-C
<b>Safety of industrial control equipment</b>	UL60950-1	✓	✓	
	EN60950-1	✓	✓	✓
	EN60950-22		✓	
	UL508			✓
<b>Substation</b>	IEEE1613	✓	✓	
	EN61850-3	✓	✓	
<b>Vehicle</b>	E1/e1	✓	✓	✓
<b>Railway norm</b>	EN 50121-4	✓	✓	
	EN50155	✓	✓	
	EN45545	✓	✓	
<b>Hazardous Location</b>	Atex Zone II	✓	✓	
	Class 1 Div 2	✓	✓	
<b>Protection Class</b>	Nema 4X		✓	

<sup>1)</sup> EU: Belgium, Bulgaria, Denmark, Germany, Estonia, Finland, France, Greece, Great Britain, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Austria, Poland, Portugal, Romania, Sweden, Slovakia, Spain, Czech Republic, Hungary, Cyprus