



LIB 520 Compatibility Overview

1MRK 511 124-REN

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Revision: B

Issued: April 2006

Data subject to change without notice

| LIB 520 | MicroSCADA (MS) | HV/Control | HV/VCTR | HV/Collect | HV/REx 5xx | HV/IED 670 | Remarks |
|------------------------|-----------------|------------|---------|------------|--|--|---------|
| 4.0.1B | 8.4.1B | *2.2 | NS | *2.1 | HV/REL 501*2.2 HV/REL 511*2.2 HV/REL 521*2.2 HV/REL 531*2.2 HV/REL 551*2.2 HV/REL 561*2.2 HV/REB 551*2.2 HV/REC 561*2.2 | NA | |
| 4.0.1C | 8.4.1C | *2.3 | NS | *2.2 | HV/REx 500*2.0 | NA | |
| 4.0.2 | 8.4.2 | *2.4 | *2.1 | *2.2 | HV/REx 500*2.0 HV/RET 521*2.1 | NA | |
| 4.0.3 with Add-on 2 | 8.4.3 | *2.4-01 | *2.2 | *3.0 | HV/REx 500*3.0-03 ¹ HV/REx 500*3.1-03 ¹ (REO 517*2.1) HV/RET 521*3.0-03 ¹ | NA | |
| 4.0.4 | 8.4.4 | *2.5 | *2.3 | *3.1 | HV/REx 500*4.0 ² | NA | |
| 4.1 | 8.4.4 or later | 500 | *2.3 | *3.1 | HV/REx 500*4.0 | NA | |
| | | 670 | NA | NA | NA | HV/REC 670 HV/RED 670 HV/REL 670 HV/RET 670 HV/REB 670 | |

| IEDs supported by LIB 520 | | | | | | | | | |
|---------------------------|------|---------------------|----------------------|---------|------------|-----------------------------|----------------|------------|-----------------------------------|
| Products | Ver. | LIB 520 | HV/Control | HV/VCTR | HV/Collect | HV/REx 5xx | HV/Control 670 | HV/IED 670 | Remarks |
| REL 501 | 1.1 | – | NA | NA | NS | HV/REL 501*1.1 | NA | NA | MS 8.2 (UNIX) MicroLIBRARY 3.1 |
| | 1.2 | – | NA | NA | *2.0 | HV/REL 501*2.1 | NA | NA | MS 8.4.1B |
| | 1.2 | 4.0.1B | *2.2 ³ | NA | *2.1 | HV/REL 501*2.2 | NA | NA | |
| | 2.0 | 4.0.1C | *2.3 ³ | NA | *2.2 | HV/REx 500*2.0 | NA | NA | |
| | 2.0 | 4.0.2 | *2.4 ³ | NA | *2.2 | HV/REx 500*2.0 | NA | NA | |
| | 2.0 | 4.0.3 with Add-on 2 | *2.4-01 ³ | NA | *3.0 | HV/REx 500*3.0 ¹ | NA | NA | |
| | 2.0 | 4.0.4 | *2.5 ³ | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| | 2.3 | 4.0.3 with Add-on 2 | *2.4-01 ³ | NA | *3.0 | HV/REx 500*3.0 ¹ | NA | NA | |
| REL 511 | 1.1 | – | NA | NA | NS | HV/REL 511*1.1 | NA | NA | MS 8.2 (UNIX) MicroLIBRARY 3.1 |
| | 1.2 | – | NA | NA | *2.0 | HV/REL 511*2.1 | NA | NA | MS 8.4.1B |
| | 1.2 | 4.0.1B | *2.2 ³ | NA | *2.1 | HV/REL 511*2.2 | NA | NA | |
| | 2.0 | 4.0.1C | *2.3 ³ | NA | *2.2 | HV/REx 500*2.0 | NA | NA | |
| | 2.0 | 4.0.2 | *2.4 ³ | NA | *2.2 | HV/REx 500*2.0 | NA | NA | |
| | 2.0 | 4.0.3 with Add-on 2 | *2.4-01 ³ | NA | *3.0 | HV/REx 500*3.0 ¹ | NA | NA | |
| | 2.3 | 4.0.4 | *2.5 ³ | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| | 2.5 | 4.0.4 | *2.5 ³ | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |

1) Parameter Setting Tool (PST) of v1.1 or higher is needed

2) Parameter Setting Tool (PST) of v1.2 or higher is needed

3) Applicable for supervision and measurement function

4) Applicable for supervision function

General notes:

NA = Not applicable, NS = Not supported

For LIB 500/510 refers to ABB Substation Automation Oy

LIB 520 Compatibility Overview

| IEDs supported by LIB 520 | | | | | | | | | |
|---------------------------|------|---------------------|----------------------|---------|------------|-----------------------------|----------------|------------|---------|
| Products | Ver. | LIB 520 | HV/Control | HV/VCTR | HV/Collect | HV/REx 5xx | HV/Control 670 | HV/IED 670 | Remarks |
| | 2.0 | 4.0.4 | *2.5 ³ | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| | 2.3 | 4.0.3 with Add-on 2 | *2.4-01 ³ | NA | *3.0 | HV/REx 500*3.0 ¹ | NA | NA | |
| | 2.3 | 4.0.4 | *2.5 ³ | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| | 2.5 | 4.0.4 | *2.5 ³ | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |

| Terminals supported by LIB 520 | | | | | | | | | |
|--------------------------------|------|---------------------|----------------------|---------|------------|-----------------------------|----------------|------------|-----------------------------------|
| Products | Ver. | LIB 520 | HV/Control | HV/VCTR | HV/Collect | HV/REx 5xx | HV/Control 670 | HV/IED 670 | Remarks |
| REL 521 | 1.1 | – | NA | NA | NS | HV/REL 521*1.1 | NA | NA | MS 8.2 (UNIX) MicroLIBRARY 3.1 |
| | 1.2 | – | NA | NA | *2.0 | HV/REL 521*2.1 | NA | NA | MS 8.4.1B |
| | 1.2 | 4.0.1B | *2.2 ³ | NA | *2.1 | HV/REL 521*2.2 | NA | NA | |
| | 2.0 | 4.0.1C | *2.3 ³ | NA | *2.2 | HV/REx 500*2.0 | NA | NA | |
| | 2.0 | 4.0.2 | *2.4 ³ | NA | *2.2 | HV/REx 500*2.0 | NA | NA | |
| | 2.0 | 4.0.3 with Add-on 2 | *2.4-01 ³ | NA | *3.0 | HV/REx 500*3.0 ¹ | NA | NA | |
| | 2.0 | 4.0.4 | *2.5 ³ | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| | 2.3 | 4.0.3 with Add-on 2 | *2.4-01 ³ | NA | *3.0 | HV/REx 500*3.0 ¹ | NA | NA | |
| | 2.3 | 4.0.4 | *2.5 ³ | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| | 2.5 | 4.0.4 | *2.5 ³ | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| REL 531 | 1.0 | – | NA | NA | *2.0 | HV/REL 531*2.1 | NA | NA | MS 8.4.1B |
| | 1.0 | 4.0.1B | *2.2 ³ | NA | *2.1 | HV/REL 531*2.2 | NA | NA | |
| | 2.0 | 4.0.1C | *2.3 ³ | NA | *2.2 | HV/REx 500*2.0 | NA | NA | |
| | 2.0 | 4.0.2 | *2.4 ³ | NA | *2.2 | HV/REx 500*2.0 | NA | NA | |
| | 2.0 | 4.0.3 with Add-on 2 | *2.4-01 ³ | NA | *3.0 | HV/REx 500*3.0 ¹ | NA | NA | |
| | 2.0 | 4.0.4 | *2.5 ³ | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| | 2.3 | 4.0.3 with Add-on 2 | *2.4-01 ³ | NA | *3.0 | HV/REx 500*3.0 ¹ | NA | NA | |
| | 2.3 | 4.0.4 | *2.5 ³ | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| | 2.5 | 4.0.4 | *2.5 ³ | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| REL 551 | 1.1 | – | NA | NA | NS | HV/REL 551*1.1 | NA | NA | MS 8.2 (UNIX) MicroLIBRARY 3.1 |
| | 1.2 | – | NA | NA | *2.0 | HV/REL 551*2.1 | NA | NA | MS 8.4.1B |
| | 1.2 | 4.0.1B | *2.2 ³ | NA | *2.1 | HV/REL 551*2.2 | NA | NA | |
| | 2.0 | 4.0.1C | *2.3 ³ | NA | *2.2 | HV/REx 500*2.0 | NA | NA | |
| | 2.0 | 4.0.2 | *2.4 ³ | NA | *2.2 | HV/REx 500*2.0 | NA | NA | |
| | 2.0 | 4.0.3 with Add-on 2 | *2.4-01 ³ | NA | *3.0 | HV/REx 500*3.0 ¹ | NA | NA | |
| | 2.0 | 4.0.4 | *2.5 ³ | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| | 2.3 | 4.0.3 with Add-on 2 | *2.4-01 ³ | NA | *3.0 | HV/REx 500*3.0 ¹ | NA | NA | |
| | 2.3 | 4.0.4 | *2.5 ³ | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| | 2.5 | 4.0.4 | *2.5 ³ | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |

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- 3) Applicable for supervision and measurement function
- 4) Applicable for supervision function

General notes:

NA = Not applicable, NS = Not supported

For LIB 500/510 refers to ABB Substation Automation Oy

LIB 520 Compatibility Overview

| Terminals supported by LIB 520 | | | | | | | | | |
|--------------------------------|-------|------------------------|----------------------|---------|-----------------------------|-----------------------------|----------------|------------|-----------------------------------|
| Products | Ver. | LIB 520 | HV/Control | HV/VCTR | HV/Collect | HV/REx 5xx | HV/Control 670 | HV/IED 670 | Remarks |
| REL 561 | 1.1 | – | NA | NA | NS | HV/REL 561*1.1 | NA | NA | MS 8.2 (UNIX) MicroLIBRARY 3.1 |
| | 1.2 | – | NA | NA | *2.0 | HV/REL 561*2.1 | NA | NA | MS 8.4.1B |
| | 1.2 | 4.0.1B | *2.2 ³ | NA | *2.1 | HV/REL 561*2.2 | NA | NA | |
| | 2.0 | 4.0.1C | *2.3 ³ | NA | *2.2 | HV/REx 500*2.0 | NA | NA | |
| | 2.0 | 4.0.2 | *2.4 ³ | NA | *2.2 | HV/REx 500*2.0 | NA | NA | |
| | 2.0 | 4.0.3 with Add-on 2 | *2.4-01 ³ | NA | *3.0 | HV/REx 500*3.0 ¹ | NA | NA | |
| | 2.0 | 4.0.4 | *2.5 ³ | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| | 2.3 | 4.0.3 with Add-on 2 | *2.4-01 ³ | NA | *3.0 | HV/REx 500*3.0 ¹ | NA | NA | |
| | 2.3 | 4.0.4 | *2.5 ³ | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| | 2.5 | 4.0.4 | *2.5 ³ | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| REC 561 | 1.0 | – | *2.1 | NA | *2.0 | HV/REC 561*2.1 | NA | NA | MS 8.4.1B |
| | 1.1 | 4.0.1B | *2.2 | NA | *2.1 | HV/REC 561*2.2 | NA | NA | |
| | 2.0 | 4.0.1C | *2.3 | NA | *2.2 | HV/REx 500*2.0 | NA | NA | |
| | 2.0 | 4.0.2 | *2.4 | NA | *2.2 | HV/REx 500*2.0 | NA | NA | |
| | 2.0 | 4.0.3 with Add-on 2 | *2.4-01 | NA | *3.0 | HV/REx 500*3.0 ¹ | NA | NA | |
| | 2.0 | 4.0.4 | *2.5 | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| | 2.3 | 4.0.3 with Add-on 2 | *2.4-01 | NA | *3.0 | HV/REx 500*3.0 ¹ | NA | NA | |
| | 2.3 | 4.0.4 | *2.5 | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| 2.5 | 4.0.4 | *2.5 | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | | |
| REB 551 | 1.1 | – | NA | NA | NS | HV/REB 551*1.1 | NA | NA | MS 8.2 (UNIX) MicroLIBRARY 3.1 |
| | 1.2 | – | NA | NA | *2.0 | HV/REB 551*2.1 | NA | NA | MS 8.4.1B |
| | 1.2 | 4.0.1B | *2.2 ³ | NA | *2.1 | HV/REB 551*2.2 | NA | NA | |
| | 2.0 | 4.0.1C | *2.3 ³ | NA | *2.2 | HV/REx 500*2.0 | NA | NA | |
| | 2.0 | 4.0.2 | *2.4 ³ | NA | *2.2 | HV/REx 500*2.0 | NA | NA | |
| | 2.0 | 4.0.3 with Add-on 2 | *2.4-01 ³ | NA | *3.0 | HV/REx 500*3.0 ¹ | NA | NA | |
| | 2.0 | 4.0.4 | *2.5 ³ | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| | 2.3 | 4.0.3 with Add-on 2 | *2.4-01 ³ | NA | *3.0 | HV/REx 500*3.0 ¹ | NA | NA | |
| | 2.3 | 4.0.4 | *2.5 ³ | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| | 2.5 | 4.0.4 | *2.5 ³ | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| REL 517 | 1.0 | NS | NA | NA | NS | NS | NA | NA | |

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LIB 520 Compatibility Overview

| Terminals supported by LIB 520 | | | | | | | | | |
|--------------------------------|------|------------------------|----------------------|---------|----------------|-----------------------------|-------------------|---------------|---|
| Products | Ver. | LIB 520 | HV/ Control | HV/VCTR | HV/ Collect | HV/REx 5xx | HV/Control 670 | HV/IED 670 | Remarks |
| REO 517 | 2.1 | 4.0.2 | *2.4 | NA | *2.2 | HV/REx 500*2.0 | NA | NA | |
| | 2.1 | 4.0.3 with Add-on 2 | *2.4-01 | NA | *3.0 | HV/REx 500*3.1 ¹ | NA | NA | |
| | 2.1 | 4.0.4 | *2.5 | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| | 2.4 | 4.0.4 | *2.5 | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| | 2.5 | 4.0.4 | *2.5 | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| RES 505 | 2.3 | 4.0.4 | *2.5 ⁴ | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| | 2.5 | 4.0.4 | *2.5 ⁴ | NA | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| RET 521 | 2.1 | - | NA | *2.1-00 | NA | HV/RET 521*2.1 | NA | NA | To be ordered from ABB Automation Technology Products AB |
| | 2.1 | 4.0.2 | *2.4 ⁴ | *2.1-01 | *2.2 | HV/RET 521*2.1 | NA | NA | Included on CD from ABB Substation Automation Oy |
| | 2.1 | 4.0.3 with Add-on 2 | *2.4-01 ⁴ | *2.1-01 | *3.0 | HV/RET 521*3.0 ¹ | NA | NA | |
| | 2.1 | 4.0.4 | *2.5 ⁴ | *2.3 | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| | 2.3 | 4.0.3 with Add-on 2 | *2.4-01 ⁴ | *2.2 | *3.0 | HV/RET 521*3.0 ¹ | NA | NA | |
| | 2.3 | 4.0.4 | *2.5 ⁴ | *2.3 | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| | 2.4 | 4.0.4 | *2.5 ⁴ | *2.3 | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| | 2.5 | 4.0.4 | *2.5 ⁴ | *2.3 | *3.1 | HV/REx 500*4.0 ² | NA | NA | |
| RED 521 | 1.0 | 4.0.4 | *2.5 ⁴ | NA | NA | HV/REx 500*4.0 ² | NA | NA | |
| REC 670 | 1.0 | 4.1 | NA | NA | NA | NA | 1.0 | 1.0 | |
| RED 670 | 1.0 | 4.1 | NA | NA | NA | NA | 1.0 | 1.0 | |
| REL 670 | 1.0 | 4.1 | NA | NA | NA | NA | 1.0 | 1.0 | |
| RET 670 | 1.0 | 4.1 | NA | NA | NA | NA | 1.0 | 1.0 | |

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