

# Service Activities of MIREL VZ1 Train Protection System

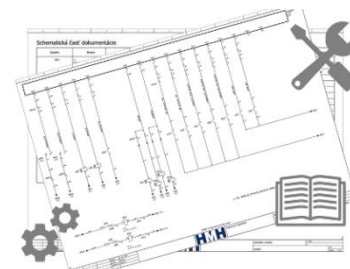
## Type **SESVZ1**

illustrative picture

Service activities of MIREL VZ1 train protection represent an entire set of activities aiming the implementation of scheduled and unscheduled system maintenance.

Execution of D4 prophylactic inspection service activities forms a constituent part of scheduled system maintenance services. Prophylactic inspection service activities execution is subdivided based on extent of prophylactic inspection service:

- basic extent
- enhanced extent



Modification of prophylactic inspection service activities has been further subdivided depending on count of modules from use range if system subjected to service execution. System range of use is combination of modules indicated below:

- Module for LS national train protection system
- Module for EVM national train protection system
- Module for SHP national train protection system
- STM module of ETCS

A special modification of prophylactic inspection service activities is service on MIREL VZ1 train protection system without transmission from track line infrastructure.

Depending on extent of executed prophylactic inspection service, the prophylactic inspection validity is prolonged as indicated below:

- When implementing prophylactic inspection on a system after technical life expiry, the service is carried out in basic extent and prophylactic inspection validity is prolonged by 12 months.
- When implementing prophylactic inspection on a system prior to technical life expiry, the prophylactic inspection validity is, upon service executed in basic extent, prolonged by 24 months.
- When implementing prophylactic inspection on a system prior to technical life expiry, the prophylactic inspection validity is, upon service executed in enhanced extent, prolonged maximally for 120 months. Prophylactic inspection must be carried out during next main rolling stock repair. In specific cases, if main rolling stock repair periodicity extends a period of 10 years, prophylactic inspection must be carried out after 120 months latest.

### Nomenclature



### Services

Designation	Range of service	Description
SESVZ1.D4.B1	Basic	MIREL VZ1 system prophylactic inspection with 1 module use range
SESVZ1.D4.B2	Basic	MIREL VZ1 system prophylactic inspection with 2 modules use range
SESVZ1.D4.B3	Basic	MIREL VZ1 system prophylactic inspection with 3 modules use range
SESVZ1.D4.B4	Basic	MIREL VZ1 system prophylactic inspection with 4 modules use range
SESVZ1.D4.BS	Basic	MIREL VZ1 system prophylactic inspection without transmission from track line infrastructure
SESVZ1.D4.E1	Enhanced	MIREL VZ1 system prophylactic inspection with 1 module use range
SESVZ1.D4.E2	Enhanced	MIREL VZ1 system prophylactic inspection with 2 modules use range
SESVZ1.D4.E3	Enhanced	MIREL VZ1 system prophylactic inspection with 3 modules use range
SESVZ1.D4.E4	Enhanced	MIREL VZ1 system prophylactic inspection with 4 modules use range
SESVZ1.D4.ES	Enhanced	MIREL VZ1 system prophylactic inspection without transmission from track line infrastructure

---

## Prepared Services

No record.

---

## Specification

The Catalogue sheet was prepared on the basis of the following specifications:

No.	Version	Title
257VZ1	211203	Technical conditions
154VZ1	190111	Maintenance manual, diagnostics
2882VZ1	220201	SESVZ1 Implementation conditions

---

## Cancelled Services

Designation	Range of service	Description	Replacement
<b>SESVZ1.D4.0</b>	Basic	System with LS, EVM or SHP scope of use	<b>SESVZ1.D4.B1</b>
<b>SESVZ1.D4.0</b>	Basic	System with LS+EVM, LS+SHP, LS+STM or EVM+STM scope of use	<b>SESVZ1.D4.B2</b>
<b>SESVZ1.D4.0</b>	Basic	System with LS+EVM+STM, LS+SHP+STM or LS+EVM+SHP scope of use	<b>SESVZ1.D4.B3</b>
<b>SESVZ1.D4.0</b>	Basic	System with LS+EVM+SHP+STM scope of use	<b>SESVZ1.D4.B4</b>
<b>SESVZ1.D4.0</b>	Basic	System with LS scope of use, without transmission from track line infrastructure	<b>SESVZ1.D4.BS</b>
<b>SESVZ1.D4.0</b>	Enhanced	System with LS, EVM or SHP scope of use	<b>SESVZ1.D4.E1</b>
<b>SESVZ1.D4.0</b>	Enhanced	System with LS+EVM, LS+SHP, LS+STM or EVM+STM scope of use	<b>SESVZ1.D4.E2</b>
<b>SESVZ1.D4.0</b>	Enhanced	System with LS+EVM+STM, LS+SHP+STM or LS+EVM+SHP scope of use	<b>SESVZ1.D4.E3</b>
<b>SESVZ1.D4.0</b>	Enhanced	System with LS+EVM+SHP+STM scope of use	<b>SESVZ1.D4.E4</b>
<b>SESVZ1.D4.0</b>	Enhanced	System with LS scope of use, without transmission from track line infrastructure	<b>SESVZ1.D4.ES</b>