

## Werner<sup>3rd</sup> System Type: *atis* InfrastructureSubsystem

(Werner<sup>3rd</sup> System type is part of the metatheory and describes configurations and properties that characterize a specific system.

There are 5 main Werner<sup>3rd</sup> subsystems that partition a system into 5 subsystems.)

**Infrastructure Subsystem**,  $\mathcal{W}$ , =<sub>df</sub> the subsystem of a Werner<sup>3rd</sup> system defined by the Werner<sup>3rd</sup> non-organic-essential system relations.

$$\mathcal{W} =_{df} \mathcal{S}^{\hat{u}} \mid \mathcal{S}^{\hat{u}} = (\mathcal{S}_E, \mathcal{A}_{\mathcal{U}})$$

**Infrastructure subsystem** is a Werner<sup>3rd</sup> subsystem; such that, the Werner<sup>3rd</sup> non-organic-essential components,  $\mathcal{S}_E$ , define the object-set of the subsystem and the Werner<sup>3rd</sup> non-organic-essential component affect relations,  $\mathcal{A}_{\mathcal{U}}$ , define the relation-set of the subsystem.