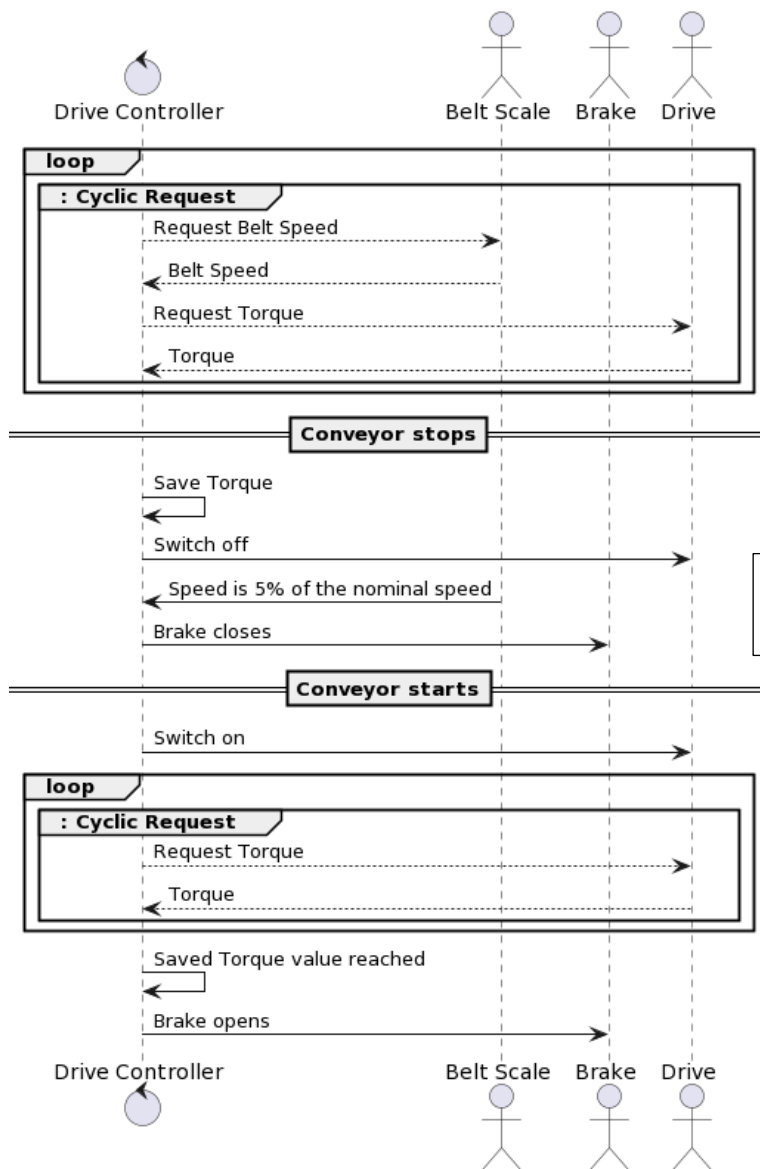


Use Case # 3 Ähnlich zu # 9 und # 10	Control of the brakes Abstimmung zwischen Herrn Ziegler und Herr Gladysiewicz	Voith, Herr Gladysiewicz
<u>Background</u>		
This is the state of the art and no new case. However, it shows how different equipment communicates with each other.		
<u>Solution</u>		
The following parameters are missing in excel: <ul style="list-style-type: none"> • <u>Signal Switch off</u> • <u>Speed 5% nominal speed</u> • <u>Brake closes</u> • <u>Brake opens</u> 		
<u>Description</u>		
In this use case, the conveyor system can be equipped with 1 drive or brake as well as with several drives or brakes. For this use case it could be that In the uphill conveyors, the brakes have the function of backstops. In the running conveyor, the controller gets the actual torque of each drive. During stopping, <u>the last drive torque is saved</u> and the motors are switched off, conveyor stops and the brakes are closed when the belt speed reaches about 5% of the nominal speed. During start up, the motors are switched on the brakes stay closed. When the torque reaches the last saved value the brakes are opened and the conveyor starts.		
<u>Abgestimmt:</u> Sitzung		<u>Datum:</u> 14.06.2022

Previous sequenz diagram



Belt Scale replaced by Belt Speed Sensor. As a placeholder for various sensors or components that determine the belt speed

Method „set threshold“, so that the value can be configured! Provide value range?

5% instead of fixed value define a variable!

Brake protection to keep the brake in working order! Set shutdown time, synchronous/sequentialVariable braking time?

Sequenz diagram after meeting 2023-08-29

