

## LArSoft - Bug #18003

### lariov::SIOVChannelStatusProvider depends on art

10/21/2017 04:13 PM - Gianluca Petrillo

<b>Status:</b>	Assigned	<b>Start date:</b>	10/21/2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Brandon Eberly	<b>% Done:</b>	0%
<b>Category:</b>	Other	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Spent time:</b>	0.00 hour
<b>Occurs In:</b>		<b>Co-Assignees:</b>	
<b>Experiment:</b>	-		

#### Description

The service provider lariov::SIOVChannelStatusProvider ([larevt:source:larevt/CalibrationDBI/Providers/SIOVChannelStatusProvider.h](#)) is required to be independent of the framework, but it uses *art* classes (I spot *art::ServiceHandle*).

These dependencies must be moved out to the *art* service.

#### History

##### #1 - 10/21/2017 04:13 PM - Gianluca Petrillo

- Description updated

##### #2 - 10/23/2017 10:28 AM - Lynn Garren

- Status changed from New to Assigned

- Assignee set to Brandon Eberly

Brandon, are you able to fix this?

##### #3 - 06/18/2018 04:37 PM - Brandon Eberly

This cannot be done without changing the behavior of the code or making a breaking change. There is a `GetChannelsWithStatus` function that returns all channels with a particular status. For this to work in the case of initializing from a default status (rather than database or a file), then the total number of channels needs to be known. The code currently uses the geometry service to get this information.

##### #4 - 06/25/2018 10:47 AM - Kyle Knoepfel

We'd like to have a discussion with you regarding this.