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ID: OSS-REQ-0207			st Modified: 2/9/2015		
Specification: The prescription of the filter substrates shall be defined by the table of parameters filterPrescription:					
Description	Value	Unit	Name		
The clear aperture diameter of the filter substrate first surface (S1) shall be <b>filterOuterCa</b>	756.0	mm	filter_s1OuterCa		
The radius of the first surface (s1) of the filter substrates shall be <b>filter_s1Radius</b>	-5632.0	mm	filter_s1Radius		
The clear aperture diameter of the g-band filter substrates second surface (S2) shall be <b>filter_s2OuterCa_g</b>	741.0	mm	filter_s2OuterCa_g		
The clear aperture diameter of the i-band filter substrates second surface (S2) shall be <b>filter_s2OuterCa_i</b>	746.0	mm	filter_s2OuterCa_i		
The clear aperture diameter of the r-band filter substrates second surface (S2) shall be <b>filter_s2OuterCa_r</b>	745.0	mm	filter_s2OuterCa_r		
The clear aperture diameter of the u-band filter substrates second surface (S2) shall be <b>filter_s2OuterCa_u</b>	737.0	mm	filter_s2OuterCa_u		
The clear aperture diameter of the y-band filter substrates second surface (S2) shall be <b>filter_s2OuterCa_y</b>	748.0	mm	filter_s2OuterCa_y		
The clear aperture diameter of the z-band filter substrates second surface (S2) shall be <b>filter_s2OuterCa_z</b>	747.0	mm	filter_s2OuterCa_z		
The radius of the second surface (s2) of the g-band filter substrate shall be <b>filter_s2Radius_g</b>		mm	filter_s2Radius_g		
The radius of the second surface (s2) of the i-band filter substrate shall be <b>filter_s2Radius_i</b>	-5623.0	mm	filter_s2Radius_i		
The radius of the second surface (s2) of the r-band filter substrate shall be <b>filter_s2Radius_r</b>	-5606.0	mm	filter_s2Radius_r		
The radius of the second surface (s2) of the u-band filter substrate shall be <b>filter_s2Radius_u</b>	-5530.0	mm	filter_s2Radius_u		
The radius of the second surface (s2) of the y-band filter substrate shall be <b>filter_s2Radius_y</b>	-5640.0	mm	filter_s2Radius_y		
The radius of the second surface (s2) of the z-band filter substrate shall be <b>filter_s2Radius_z</b>	-5632.0	mm	filter_s2Radius_z		
The third lens (L3) shall be fabricated from I3GlassType	Fused Silica		filterGlassType		
The thicknes of the g-band filter substrate shall be filterThick_g	21.50	mm	filterThick_g		
The thicknes of the i-band filter substrate shall be filterThick_i	15.70	mm	filterThick_i		
The thicknes of the r-band filter substrate shall be filterThick_r	17.90	mm	filterThick_r		
The thicknes of the u-band filter substrate shall be filterThick_u	26.60	mm	filterThick_u		
The thicknes of the y-band filter substrate shall be filterThick_y	13.60	mm	filterThick_y		
The thicknes of the z-band filter substrate shall be filterThick_z	14.4	mm	filterThick_z		



Some concepts for types of flow down:

 Traceability flow down Feasibility flow down

Note: Assumptions may have to be made on the feasibility side that have to be validated later on

- LSST Science Book, Version 2.0, November 2009, https://www.lsst.org/ sites/default/files/docs/sciencebook/SB\_Whole.pdf
  LSST Science Requirements Specification (SRD), LPM-17,
  LSST System Requirements (LSR), LSE-29
- 4. LSST Observatory System Specification (OSS), LSE-30