

What are the key differences between the Satellite and the Sea Marshall Rescue system?

To simplify there are two basic types of man over board systems

1. Satellite based systems or assisted Rescue
2. Non Satellite systems or locally managed rescue system

Satellite System will not be able to respond in a timely matter in MOB incidents where risk assessments need a MOB out of the water within 6-20 minutes. In addition certain areas worldwide, there is no guarantee that SAR or assisted rescue will even respond.



Satellite 406 PLB	Non Satellite – Sea Marshall	Comments
Manually activated only. Operation: Deploy antenna, press both test buttons simultaneously	Automatically water activated in both fresh water and sea water	Important if MOB is unconscious
Delay of 15 to 60 Min, dependant on model	5 seconds, immediate alert to (base unit) Crew on board vessel	Second and minutes extremely important in a MOB situation.
Delay in deploying assets to the MOB or contacting vessels in the area to respond and reach MOB	Precision direction finding back to MOB	MOB response is immediate
Rescue is dependent on assisted rescue or SAR	Sea Marshall is a locally managed rescue system	Sea Marshall is also compatible with SAR homing signal and assisted rescue is an option where required.
406 PLB must be registered	Not applicable	Difficult for companies with many hundreds or thousands of users
Not easily integrated into work vest or survival gear. Short antenna must be out of water to transmit	Easily integrated. The alert is below waterline and the one meter long antenna is positioned around back shoulders to maximize transmit capability	Sea Marshall designed alerts for specific environments and vertical markets, including work boat, oil and gas and the dive industry