

Revision #:

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Customer Need #	Importance	Description	Comments/Status
		Enclosure	
CN1		Safely house electrical components (cannot blow up)	ES1,ES5
CN2		Provide mounting space for LCD	ES4
CN3		Provide secure mounting for Ipod	ES4
CN4		Easy access for repairs (or specification testing)	ES2,ES3
CN5		Tilting degree of freedom	ES7,ES8
CN6		Secure holding for other items	All purpose tray in selection (with velcro straps for securing items)
		Functionality	
CN7		Provide permanent charging mechanism for Ipod	Has ipod dock, cord will be permanently attached
CN8		Offer user way to tap into voltage if he does not use Ipod	ES14
CN9		Ensure internal protection from standard external gym hazards	ES1
CN10		Simple adjustability for different users	ES7,ES8,ES9,ES11
			customer approved posts with pin locks to prevent accidental lowerings as well as thumb screw adjustability for mounting plate
		Stand	
CN11		Needs two posts to reduce swaying and increase stability	ES13
CN12		Ability to raise and lower stand height for enclosure adjustability	ES6,ES11
CN13		Safely support mounting plate/enclosure assembly	ES10
		Additional Requirements	
		Rounded edges for safety in gym environment	
		Ipod holder should be easily removable/replaceable for newer technologies or user wear-and-tear	

Cust. Need #: enables cross-referencing (traceability) with specifications

Importance: Sample scale (1=must have, 2=nice to have, 3=preference only), or see Ulrich exhibit 4-8.

Description: organize as primary and secondary needs (hierarchy) -- Ulrich exhibit 4.8

Comment/Status: allows tracking of questions, proposed changes, etc; indicate if you are meeting the need ("met") or not ("not met")