

WARRIOR TRAINING CENTER
RAPPEL MASTER
COURSE
RMPI HANDOUT



***"WHEN THE WILL IS STRONG,
EVERYTHING IS EASY"***

FY2015

v 1.2

RAPPEL MASTER PERSONNEL INSPECTION

Rappel Master Personnel Inspection (RMPI) is performed by a current and qualified Rappel Master. A Rappel Master inspects all rappellers who are rappelling off a tower or out of an aircraft. During the inspection, the rappel seat or harness and equipment are inspected for deficiencies that could potentially cause serious injury or death to a rappeller.

A Rappel Master's number one priority is **SAFETY**. At no time will a rappeller attempt a rappel without being properly inspected by a certified Rappel Master or commander-appointed personnel. Failure to check a rappeller before conducting any type of rappel could result in serious injury or death.

To assist you in training, this handout lists the *most common* deficiencies found while inspecting a rappeller utilizing a Hip Rappel Seat. There are two types of deficiencies you will see during RMPI training: deliberate and student-rigged. As a student you must seek clarification on how the deficiencies should be rigged during training. Be sure to only rig the deficiencies that appear in the RMPI Card (deliberate). Any additional deficiencies will slow down the training process. Your instructors will inspect every rappeller for proper rigging.

Be forewarned that there are more deficiencies than the ones listed but are less common and least dangerous. The pictures depict one of several ways the deficiency may occur.

RMPI DEFICIENCIES

Deficiency List, Majors and Minors

As of 06 Nov 2014

Nomenclature must be verbatim. Memorize these deficiencies. Study ahead of time!

<i>MAJOR Deficiencies</i>	<i>MINOR Deficiencies</i>
Knot On Wrong Side	Glove Unserviceable
Gloves Not Worn	Sleeve(s) Not Down
ACH Not Worn	Chinstrap Not Bisecting Chin/Too Loose
Chinstrap Not Fastened	Overhand Tied Behind Half-Hitch
Improper Square Knot	Half-Hitch(es) Instead Overhand(s)
Missing Over-Hand(s)	Overhand(s) Tied To Wrong Rope
Rucksack Cheststrap Not Secured	Overhand Tied To Both Ropes
Snaplink Missing	Rope Ends Not In Pocket
Snaplink Inverted	FLC Not Zipped
Snap Link Through Overhand Lay	Shirt Not Tucked In
Overhand-Lay Not In Snaplink	Seat Below Belt
Snaplink Touches Square Knot	Snaplink Backward
Brake-Hand Side Obstruction	Waist Rope Not In Snaplink
Missing Half-Hitch(es)	Improper Overhand Lay
	Ropes Crossed Between Legs
	Rope Routed Through Belt
	Weapon Improperly Slung
	Leg Ropes Too Close
	Seat Too Loose
	Rucksack Not Secured

RMPI DEFICIENCIES BY INSPECTION SEQUENCE

Deficiency List	H	S	F
Knot On Wrong Side	x	x	x
Gloves Not Worn	x	x	x
Glove Unserviceable	x	x	x
Sleeve(s) Not Down	x	x	x
ACH Not Worn	x	x	x
Chinstrap Not Fastened	x	x	x
Chinstrap Not Bisecting Chin/Too Loose	x	x	x
Improper Square Knot	x	x	x
Missing Overhand(s)	x	x	x
Overhand Tied Behind Half-Hitch	x	x	x
Half-Hitch(es) Instead Over Hand(s)	x	x	x
Overhand(s) Tied To Wrong Rope	x	x	x
Overhand Tied To Both Ropes	x	x	x
Rope Ends Not In Pocket	x	x	x
Rucksack Cheststrap Not Secured			x
FLC Not Zipped		x	x
Shirt Not Tucked In	x	x	x
Seat Below Belt	x	x	x
Snaplink Missing	x	x	x
Snaplink Inverted	x	x	x
Snaplink Backward	x	x	x
Waist Rope Not In Snaplink	x	x	x
Snaplink Through Overhand Lay	x	x	x
Overhand-Lay Not In Snaplink	x	x	x
Improper Overhand Lay	x	x	x
Snaplink Touches Square Knot	x	x	x
Ropes Crossed Between Legs	x	x	x
Brake-Hand Side Obstruction	x	x	x
Rope Routed Through Belt	x	x	x
Missing Half-Hitch(es)	x	x	x
Weapon Improperly Slung		x	x
Leg Ropes Too Close	x	x	x
Seat Too Loose	x	x	x
Rucksack Not Secured			x

H - Hollywood Configuration

S - Semi-combat Configuration

F - Full-combat Configuration

RMPI DEFICIENCIES DEFINED

Deficiency List	Definition
Knot On Wrong Side	When the square knot is tied on the brake-hand side hip instead of the guide-hand side
Gloves Not Worn	Heavy duty leather gloves are not worn
Glove Unserviceable	The glove presents exposed skin or fails the stitch-rule
Sleeve(s) Not Down	Sleeves must be unrolled and cuffed at the wrist
ACH Not Worn	ACH (or other appropriate head protection) must be worn
Chinstrap Not Fastened	Helmet chinstrap is unbuckled
Chinstrap Not Bisecting Chin/ Too Loose	Helmet chinstrap is not worn or adjusted properly
Improper Square Knot	Granny-knot or other joining knot instead of a square knot
Missing Overhand(s)	One or both safety overhands on the square knot not tied
Overhand Tied Behind Half-Hitch	The rear overhand safety tied past the rear half-hitch
Half-Hitch(es) Instead Over Hand(s)	One or both safety knots on the square knot are half-hitch knots
Overhand(s) Tied To Wrong Rope	Overhand(s) must be tied on the waist rope flush with the square knot
Overhand Tied To Both Ropes	Safety overhands must be tied to the waist rope only
Rope Ends Not In Pocket	The excess tails are not inside the pocket unless they are too short
Rucksack Cheststrap Not Se- cured	The shoulder straps are not tied together at the chest
FLC Not Zipped	The FLC must be zipped to reduce entanglement
Shirt Not Tucked In	The Uniform Top is not tucked inside the pants all around
Seat Below Belt	The seat is tied below the trouser belt and the hip bones
Snaplink Missing	The snaplink is not present
Snaplink Inverted	The snaplink is routed properly but the gate is on the bottom
Snaplink Backward	The gate of the snaplink must open down and away from the rappeller
Waist Rope Not In Snaplink	The rope that comes from the brake hand hip must be in the snaplink
Snaplink Through Overhand Lay	The snaplink is routed through the wraps of the overhand lay
Overhand-Lay Not In Snaplink	The snaplink is only routed onto the waist rope
Improper Overhand Lay	The overhand lay is wrapped either only once or three times
Snaplink Touches Square Knot	The square knot was tied too close to the overhand lay
Ropes Crossed Between Legs	The ropes were brought crossed under and between the legs
Brake-Hand Side Obstruction	Any item in the pockets, FLC or outside bottom of the MOLLE pack on Brake Hand side
Rope Routed Through Belt	The rope is routed between the trouser belt and the rappeller
Missing Half-Hitch(es)	One or both of the half-hitch created by the leg ropes behind the rappeller is missing
Weapon Improperly Slung	The muzzle is pointing up and/or towards the brake hand
Leg Ropes Too Close	The leg ropes are very close to spine
Seat Too Loose	The seat is not tight around the rappeller
Rucksack Not Secured	All buckles, excess straps, pouches, etc must be secured

KNOT ON WRONG SIDE (MAJOR)



GLOVE(S) NOT WORN (MAJOR)



UNSERVICEABLE GLOVE (MINOR)



SLEEVE(S) NOT DOWN (MINOR)



ACH NOT WORN (MAJOR)



CHINSTRAP NOT FASTENED (MAJOR)



**CHINSTRAP NOT BISECTING CHIN/TOO LOOSE
(MINOR)**



IMPROPER SQUARE KNOT (MAJOR)



MISSING OVERHAND(S) (MAJOR)



OVERHAND TIED BEHIND 1/2 HITCH (MINOR)



**HALF-HITCH(ES) INSTEAD OF OVERHAND KNOT(S)
(MINOR)**



**OVERHAND(S) TIED TO WRONG ROPE
(MINOR)**



OVERHAND(S) TIED TO BOTH ROPES (MINOR)



ROPE END(S) NOT IN POCKET (MINOR)



SNAPLINK MISSING (MAJOR)



WAIST ROPE NOT IN SNAPLINK (MINOR)



OVERHAND LAY NOT IN SNAPLINK (MAJOR)



ROPES CROSSED BETWEEN LEGS (MINOR)



SHIRT NOT TUCKED IN (MINOR)



SEAT BELOW BELT (MINOR)



SNAPLINK INVERTED (MAJOR)



SNAPLINK BACKWARDS (MINOR)



SNAPLINK THROUGH OVERHAND LAY (MAJOR)



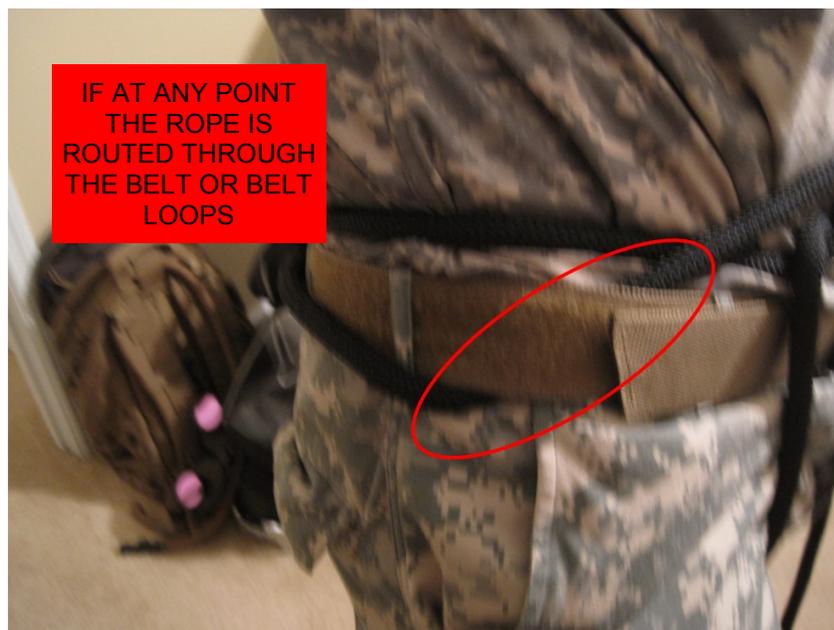
SNAPLINK TOUCHES SQUARE KNOT (MAJOR)



IMPROPER OVERHAND LAY (MINOR)



ROPE ROUTED THROUGH BELT (MINOR)



MISSING HALF HITCH(ES) (MAJOR)



WEAPON IMPROPERLY SLUNG (MINOR)



LEG ROPES TOO CLOSE (MINOR)



SEAT TOO LOOSE (MINOR)



RUCKSACK CHEST STRAP NOT SECURED (MAJOR)



FLC NOT ZIPPED (MINOR)



BRAKE-HAND SIDE OBSTRUCTION (MAJOR)

**ANYTHING BELOW RUCKSACK
SUSTAINMENT POUCH ON
BRAKE HAND SIDE**



RUCKSACK NOT SECURED (MINOR)

**ANY POUCH ON RUCKSACK NOT SECURED
INCLUDING TOP FLAP ON RUCK**



