



## TECHNICAL ADVISORY SECTION (ROYAL ENGINEERS) (TAS(RE))

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### RANGE ADVICE NOTE 4/10

See Distribution

Reference:

Our reference: 28-14-01

A. JSP 403 Vol.2

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#### Alternative Anti-splash Curtain Details.

##### Background.

1. As briefed at the recent Ranges and Training Areas Conference, due to the expense of existing anti-splash curtains and to develop some competition in this market area an alternative anti-splash material has been trialled by DTE SE. A copy of the RUTEC trial report is attached.

##### Use of 3 mm Anti-splash curtains.

2. The next amendment to Reference A will include the use of 3 mm anti-splash curtains but retain the 25 mm thick timber restriction even though the trials indicate that .22" rounds will still pass through the 3 mm material having passed through 50 mm of timber.

3. Where tight MPI shots are expected it will be advisable to use a double 3 mm curtain on a roll with tensioning bolts so that the curtain may be rotated to hide damaged areas. An example is shown below. The gap between layers is not critical. In all other circumstances a single curtain will suffice.

4. The trial included high velocity ammunition in order to provide the option for RM, MDP and others wishing to engage closer than 10 m into a bullet catcher. The use of a temporary anti-splash curtain hung behind the targets will protect firers from potential backslash.

##### Long term effectiveness.

5. This material has proven effective over a



period of more than 3 years with high use German police ranges firing 9 mm ammunition including hollow point. The German police use a mechanical curtain rotating mechanism but hand rotation will be just as effective. TAS(RE) has no evidence of the longer term use with high velocity ammunition.

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**Trial Report RUTEC**