

# My CVS Guide

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22 September, 1999

This document describes CVS tasks that I perform to support online control software projects. It does not cover the full range of DØcode management tools and procedures. A complete listing can be found at <http://www-d0.fnal.gov/software/cmgt/cmgt.html>.

## 1 CVS Overview

Commands are applied to files in the current directory and and sub-directories.

## 2 DØRunII

### 2.1 *Working with releases*

Use work as the base directory when working with releases.

```
cd work
newrel -t t00.59.00 online
cd online
addpkg -h itc
addpkg -h itc_wrappers
...
```

## 3 Creating and Modifying Files

### 3.1 *For a new file or directory*

- Retrieve the package from the CVS repository. (cvs checkout)
- Create the new file or directory.
- Add the file to the package. (cvs add)
- Include the changes in the repository. (cvs commit)

Always add directories before the files they contain.

### 3.2 *For a file already in a package*

- Retrieve the package from the CVS repository. (cvs checkout)
- Edit the file. (any editor will do)
- Include the changes in the repository. (cvs commit)

## 4 CVS Tasks

### 4.1 *Getting help*

```
cvs -H
cvs -H command
cvs --help-commands
```

## ***4.2 Viewing repository change logs***

```
cvls log  
cvls log filename
```

## ***4.3 Retrieving files from a repository***

```
cvls checkout package  
cvls checkout package -r rtag  
cvls export package -r rtag
```

## ***4.4 Adding files to a repository***

Always add directories before adding the files that are in them. **Do not add CVS directories.**

```
cvls add file
```

## ***4.5 Committing files to a repository***

```
cvls commit  
cvls commit -m comment
```

## ***4.6 Updating a checked out repository***

```
cvls update
```

## ***4.7 Repository tags***

### ***4.7.1 View tags***

```
cvls history -Tan package
```

### ***4.7.2 Creating a tag***

```
cvls rtag tag package
```

### ***4.7.3 Deleting a tag***

```
cvls rtag -d tag package
```