

# MNFU CLEAN ROOM GOWNING PROCEDURE

## I. Introduction

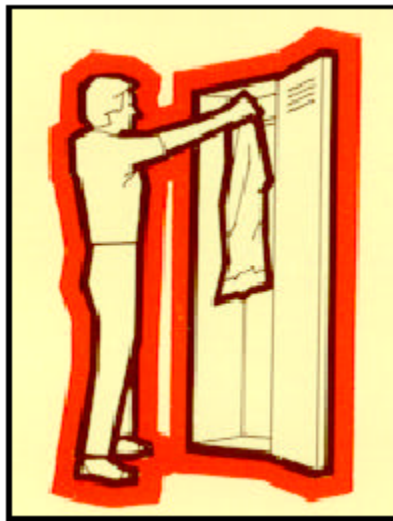
By far the dirtiest thing in our cleanroom will be the people who use it. Even the most carefully manicured person generates a shroud of particles from their skin, hair, clothing, and breath. Consequently, all cleanroom users must wear cleanroom garments which trap and hold the particles emitted by their bodies and clothing.

The Micro-NanoFabrication Unit has adopted the following gowning procedure for use in the Wolfson-Zisapel Cleanroom. It is important that each person who enters the cleanroom carefully follow this procedure.

Frequent cleanroom users will be assigned a garment hanger. Their gown, hood and booties must be laundered approximately after every thirtieth use. Infrequent users and visitors will not be assigned any hanger. Their garments should be placed in the "Dirty Laundry" bin in the cleanroom gowning area after each use.

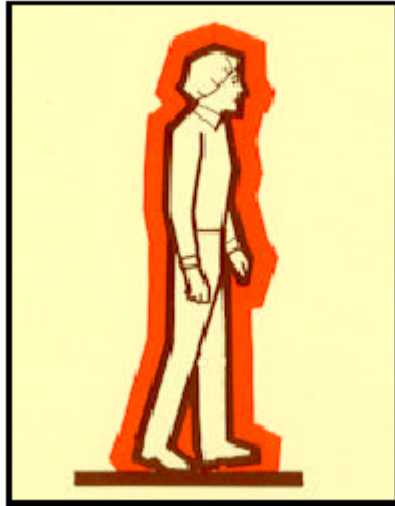
### A. Place any street garments not required for warmth and/or modesty in a locker.

The locker is the last one in the corridor and hall before the entrance into the gowning room corridor and is marked "Coat and bag Closet".



### B. Clean shoes with the shoe scrubbing mat. The shoe scrubbing mat is located before the entrance door to the gowning room corridor. Slide each foot on the mat for several times and check your shoes for cleanliness.

### C. Clean shoes with the shoe DYCEM protection mat. The shoe protection mat is located inside the gowning room corridor. Tread (step) twice on the DYCEM mat to clean the shoes and check for soles cleanliness.



- D. Put on shoe covers located inside at the entrance of the gowning room.** Take a pair of shoe covers and sit on the bench to carry out it. Only flat or very low heeled shoes may be worn. No sandals or open-toed shoes.



- E. Swipe your ID card to come into the gowning room.** All users must **LOG IN** the entrance computer to open the door. If for any reason, the computer malfunctions, you have to report in the logbook located next to the computer.
- F. Carefully put on the bouffant cap.** The cap must completely cover your hair and ears. In addition, the bouffant cap is required for **people with long hair**. It should be worn under the hood.



- G. Put on booties.** To put on cleanroom booties, sit on the gowning bench with your feet on the booties store side of the bench. Put on one bootie and swing the **clean** foot to the garment side of the bench. Then put on second cleanroom bootie and swing fully to the disposable tacky mat and stand up.

- H. Remove your cleanroom garment from the hanger and inspect.** The permanent gowns and overalls are stored on hangers in the cleanroom gowning area. Take care to keep the garment completely off of the floor at all times. Inspect your garment each time you wear it for tears or soiling.



- I. Put on gown or overall.** First, step into the overall legs, taking care not to let the garment to touch the ground at any time. Then pull on the upper half of the overall and **zip it** all the way up. While wearing the hood, be sure the hood completely covers your hair and ears. While wearing jumpsuit and hood, be sure the "skirt" of the hood is completely inside the collar of the jumpsuit.
- J. Carefully put on the beard cover or face mask on your mouth.** The beard cover as a face mask must completely cover the mouth (also recommended to cover the nose). In addition, the beard cover is required for **bearded man**. It should be worn above the hood.



- K. Carefully put on the cleanroom goggles.** The goggles must be worn at all times, no unprotected eyes when in cleanroom. It should be worn above the hood only.
- L. Put on Cleanroom Gloves and half finger nylon gloves.** Carefully put on the first latex or vinyl glove, touching the outside of the glove as little as possible. Put on the second glove using the previously gloved hand, taking care not to touch your skin with the gloved hand. Pull the cuff of the 12" gloves over the sleeve of the gown (overall, jumpsuit) so that any liquids falling from your gloves do not reach your skin. Gloves must be worn at all times, no bare hands or fingers.
- M. Enter into the cleanroom,** before opening the interior cleanroom door into the class 1000 area, step on STICKY MAT located in front of it and take 5-10 baby steps on the mat. Step directly into the cleanroom quickly and completely allowing the door to close behind you. Do not block or hold the door open for a next person.



- N. While in the cleanroom,** keep your hands away from your face. The oils on your face can be transferred to the gloves and subsequently to the cleanroom equipment or your sample. Chemicals contaminated glove might cause serious injury.
- O. Before leaving the cleanroom.** Insure that you have all items you need to take out. Recheck all equipment you used are properly off. Make sure that you have cleaned up all working places you used.
- P. Exiting the cleanroom to the gowning room,** open the interior door and step directly into the gowning room allowing the door to close behind you.
- Q. Exiting the gowning room.** Place any items temporarily on the bench. Discard the gloves and face mask to the waste container. Unzip and remove your gown or overall without letting it touch the ground and hang it back on its original hanger. Sit on the bench and remove your booties, swing to the gowning entrance side and place them on the booties store. Discard the bouffant cap to the waste container.
- R. Swipe your ID card to leave the gowning room.** All users must **LOG OUT** the computer in the gowning room on leaving the cleanroom. If for any reason, the computer malfunctions, you have to report in the logbook located next to the computer. Discard your shoe covers to the waste container.

## II. NOTES

1. Cleanroom garments shall be worn only within the cleanroom complex, except under emergency conditions.
2. Do not wear soiled, dirty or lint-producing street clothes under cleanroom garments.
3. Do not hang street clothes or lab coats in the gowning room. Use separate "Coat Closet".
4. Facemasks are to be worn over the top of the nose.
5. **NEVER** open your gown in the cleanroom.
6. When it is necessary put on another cleanroom glove on the dirty one.

Prepared by: Eng. Yacov Shneider



