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Building and Fire Research Laboratory

NIST Special Publication-1069-1

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Next Generation Fire Suppression Technology Program (NGP) Collected Publications

The NGP was initiated in 1997 to find suitable replacement technologies for halon 1301, a potent depleter of stratospheric ozone, for use in existing weapons systems. The rationale and Program description can be found in the FY1998 document under Publications. While the early NGP research was proving successful in providing both necessary understanding of and direction for fire suppression technologies, there was continuing engineering underway to test evolving commercial technologies. In November 1999, a more modest NGP was conceived with a focus on fire suppression technologies for aircraft. The evolution of and strategy for the updated NGP is described in the FY2000 strategy document. Under Publications, both documents are provided for the reader, since the new version refers extensively to the original. The NGP reached completion in 2007.

Nearly all of the papers listed below are included on this CD. They are also available from the NGP web site: www.bfrl.nist.gov/866/NGP.

NGP researchers, and most others in the field, have presented much of their work at the annual Halon Options Technical Working Conferences (HOTWCs).

Copies of these papers can be obtained in two ways:

- From NIST: Gann, R.G., Burgess, S.R., Whisner, K.C., and Renke, P.A., eds., Papers from 1991-2006 Halon Options Technical Working Conferences (HOTWC), CD-ROM, NIST SP 964-4, National Institute of Standards and Technology, Gaithersburg, MD, (2006).

- From the HOTWC web site: www.bfrl.nist.gov/866/HOTWC. Click on "Proceedings," then ON-LINE, and then do a subject search on "NGP" (or any other subject, author, or year of interest).



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PUBLICATIONS

General
New Flame Suppression
Chemistry
Suppressant Screening Tests

New and Improved Aerosol
Suppressants
Improved Suppressant Delivery
Viability of New Suppression
Technologies
Improved Fuel Tank Inertion

I. GENERAL

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II. NEW FLAME SUPPRESSION CHEMISTRY

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